

FIG. 1

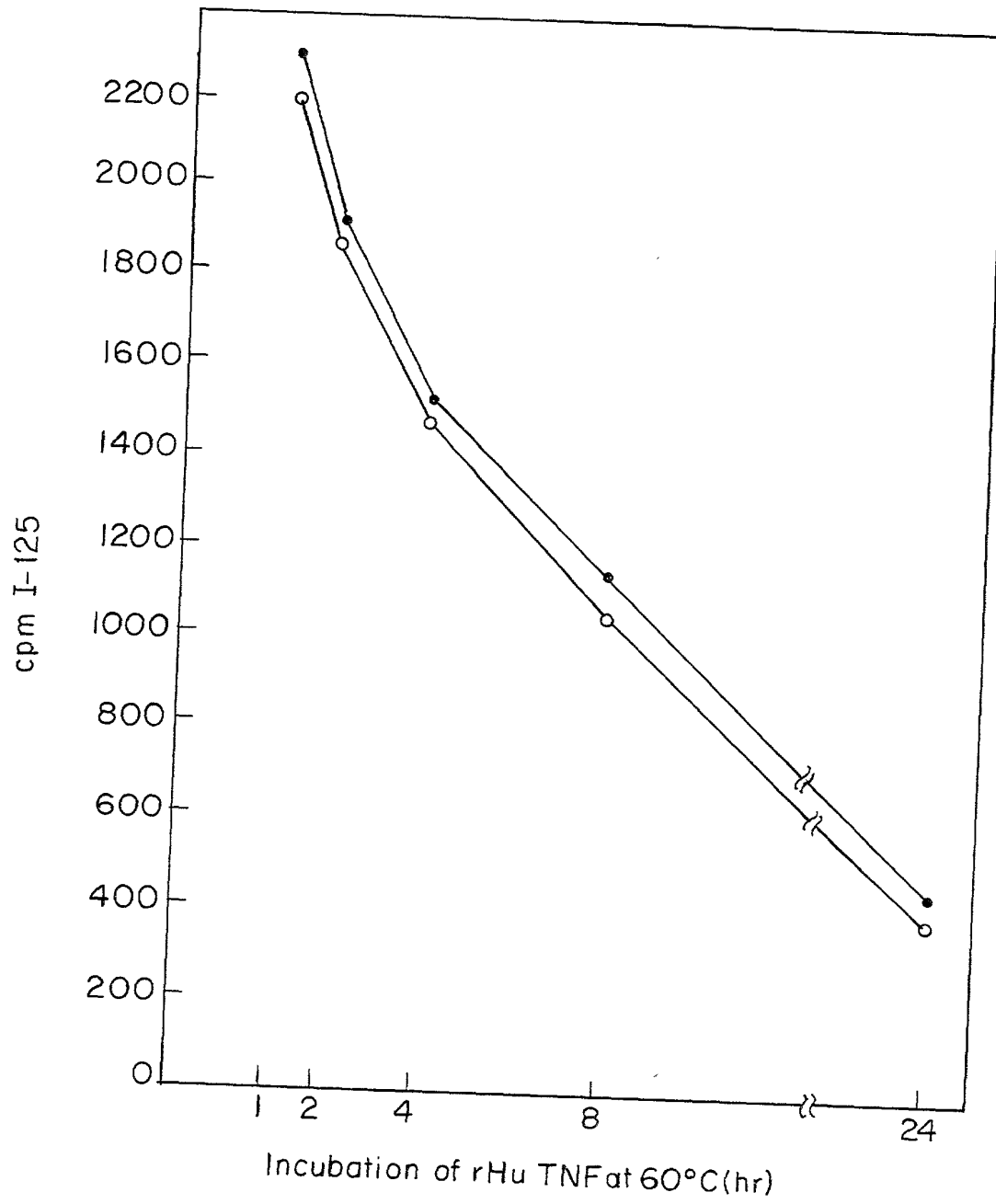


FIG. 2

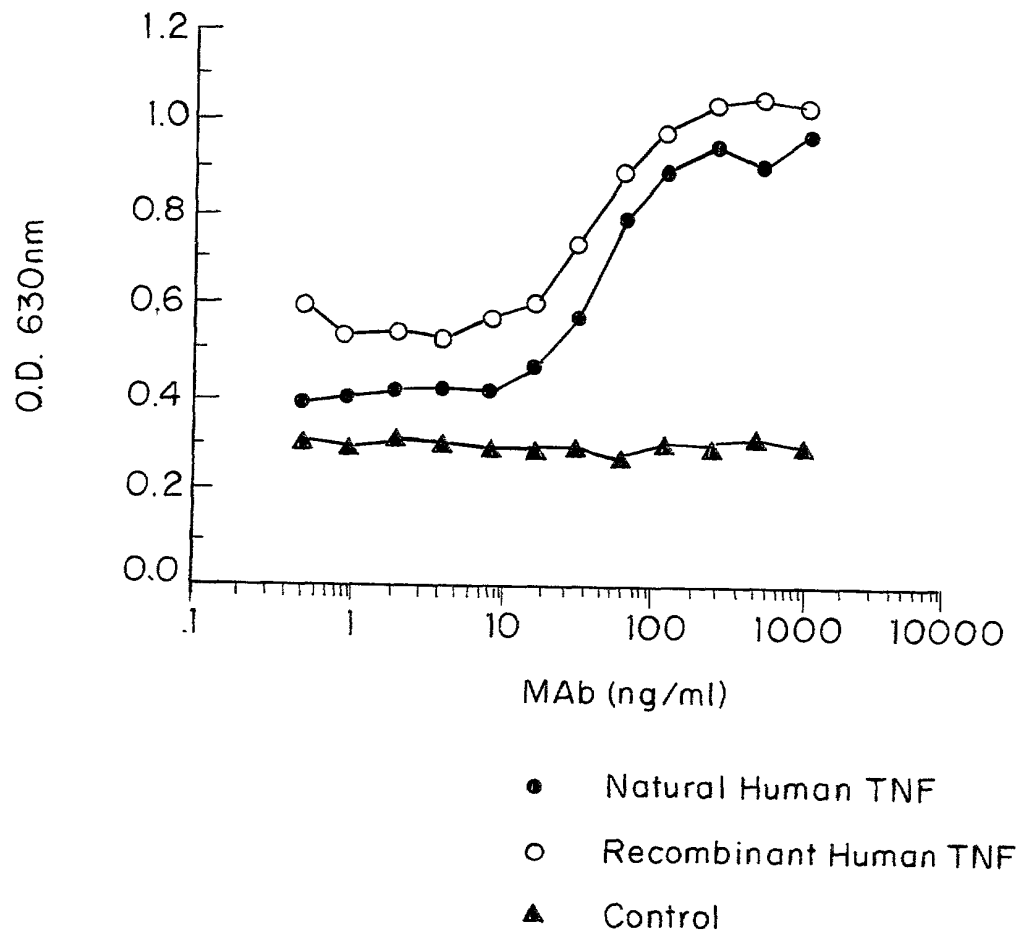


FIG. 3

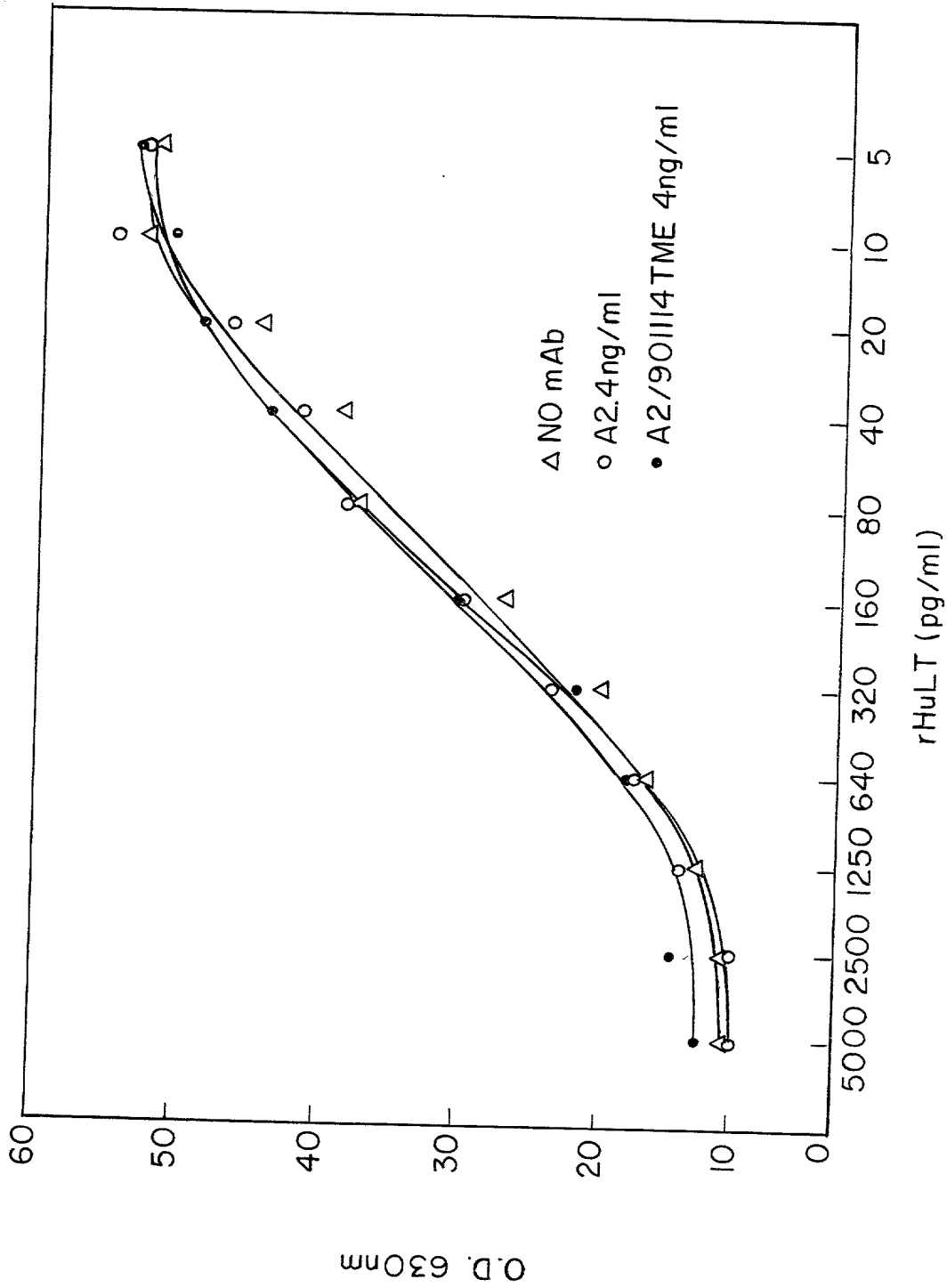


FIG. 4

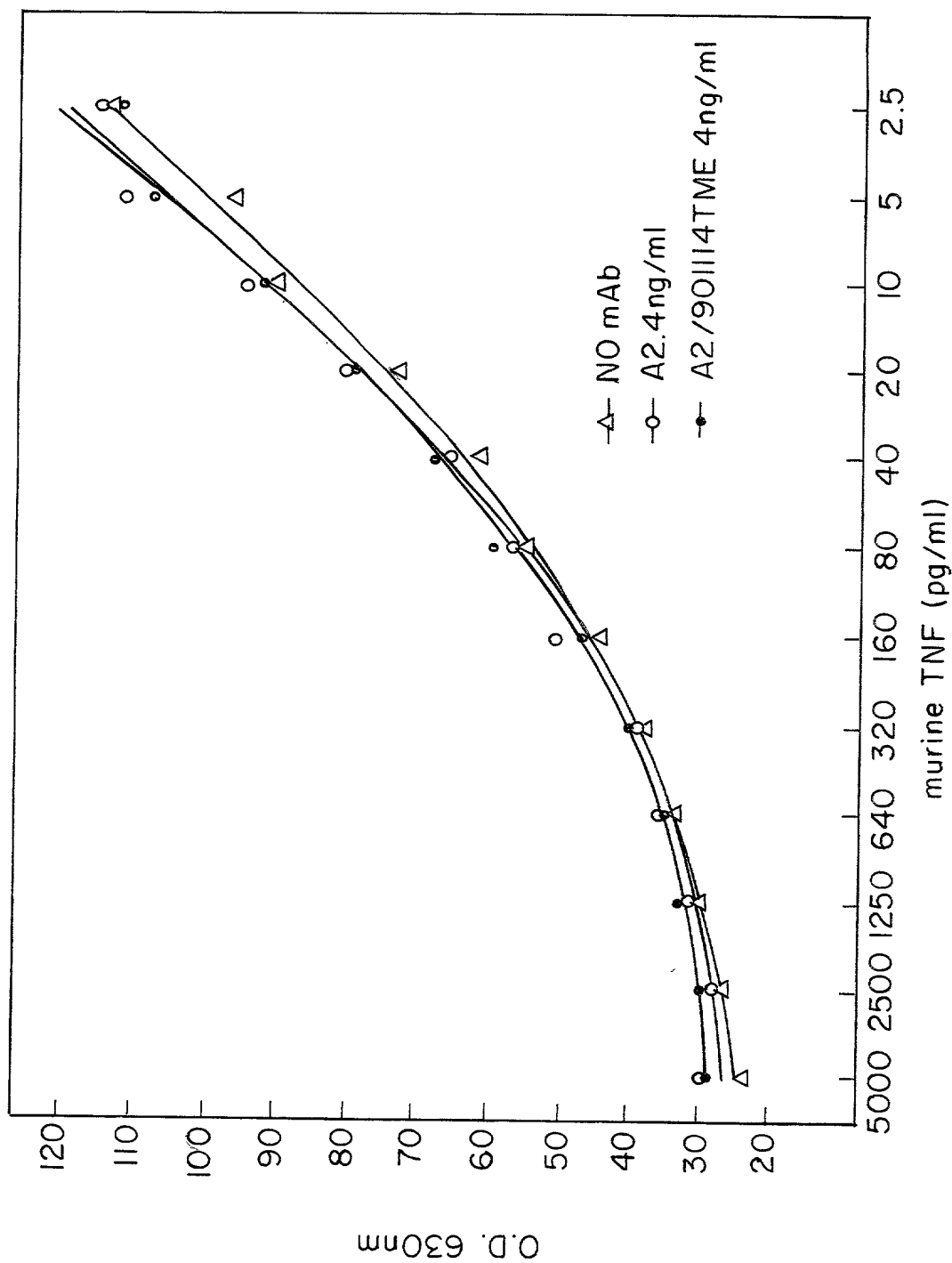


FIG. 5

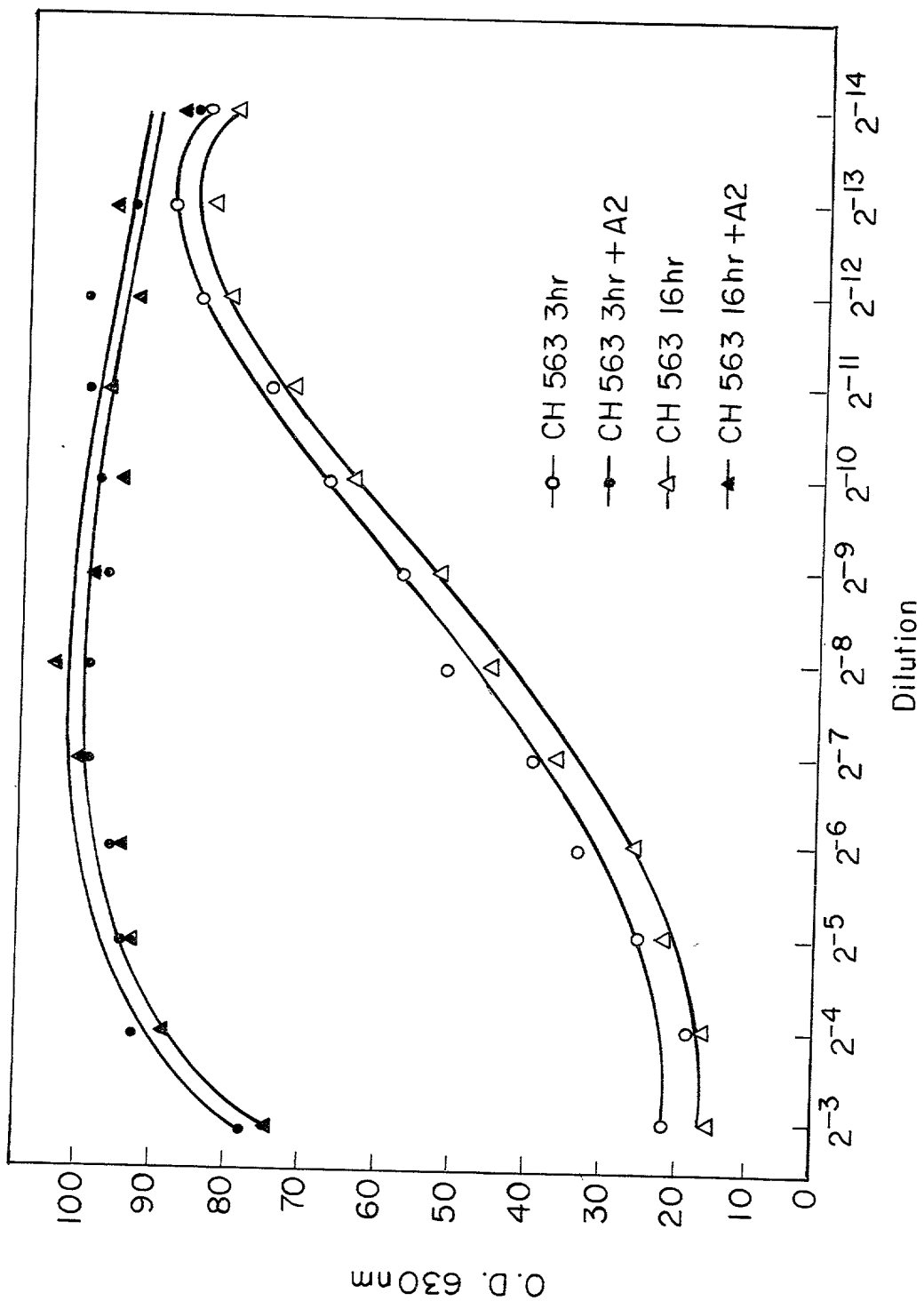


FIG. 6

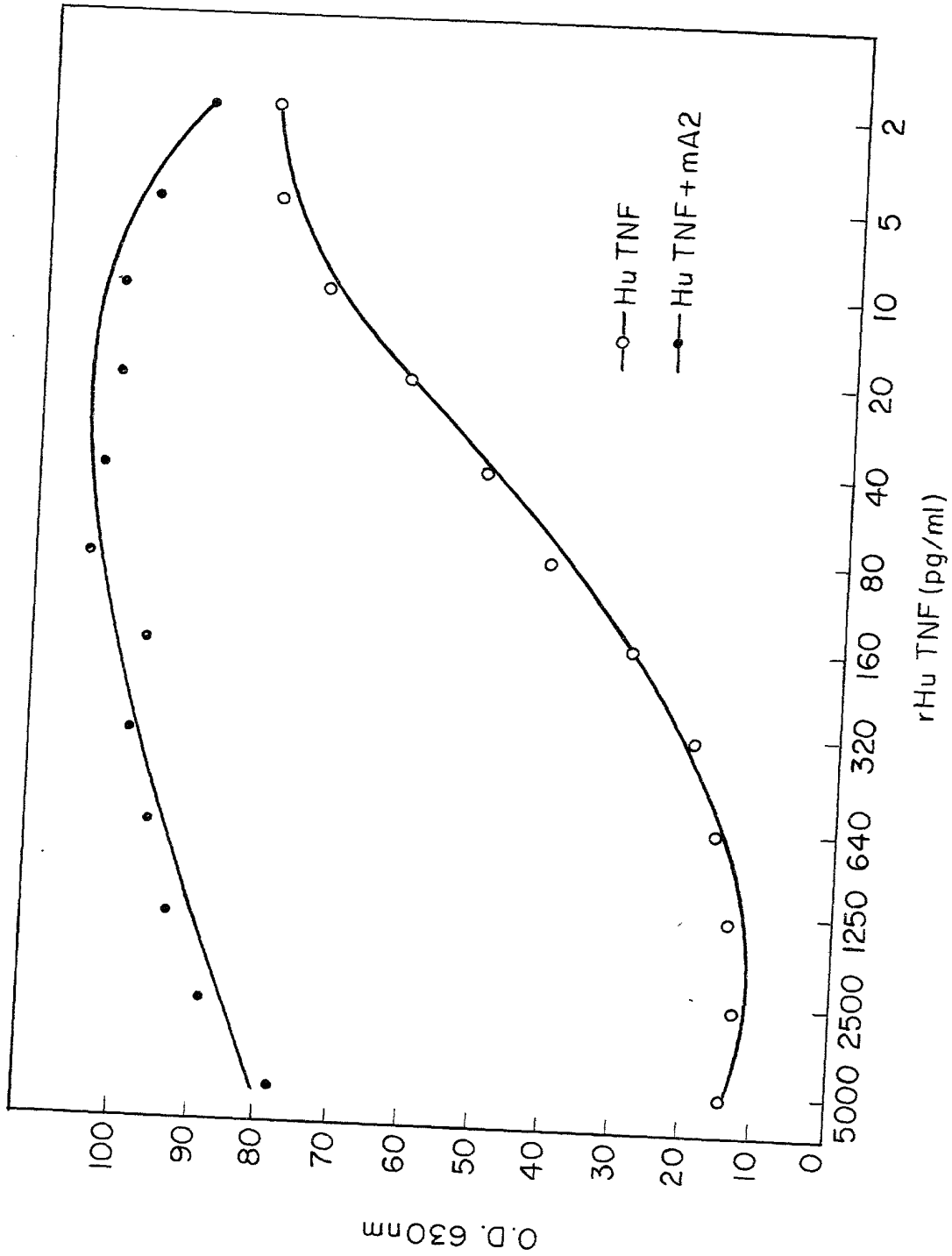


FIG. 7

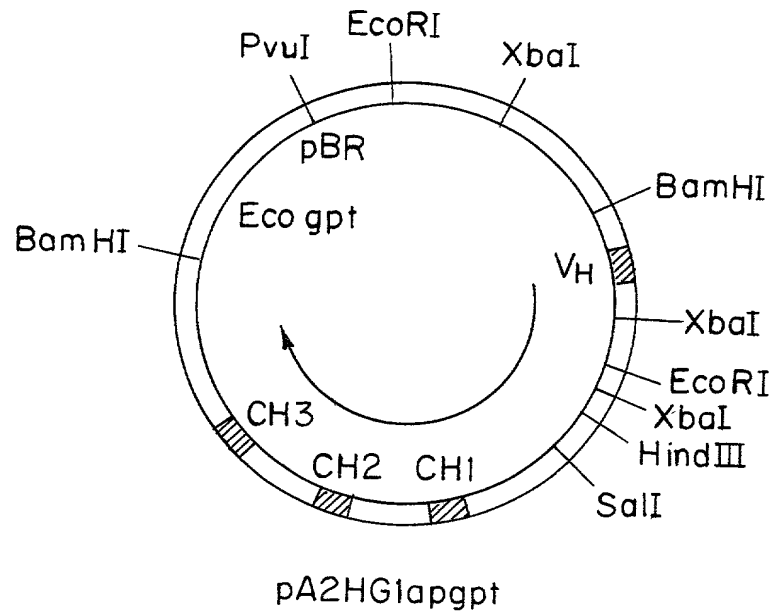


FIG. 8A

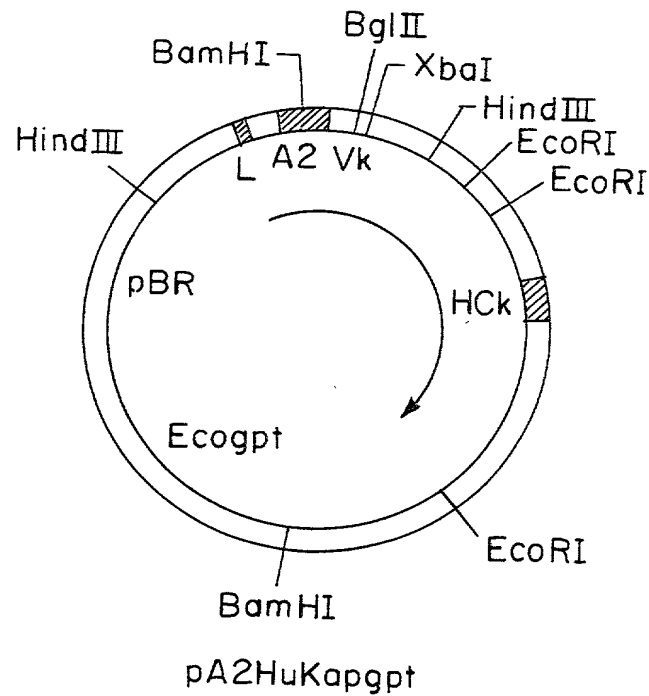


FIG. 8B



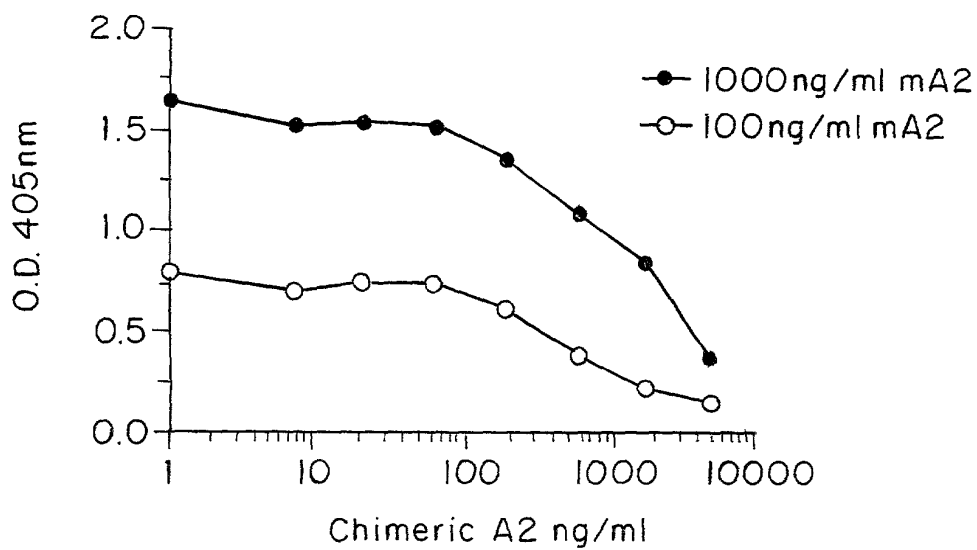


FIG. 9A

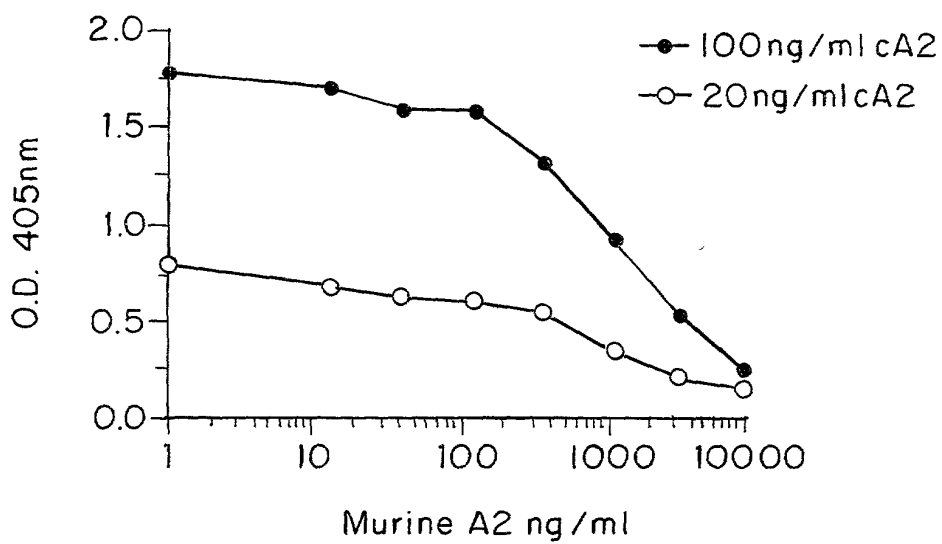


FIG. 9B

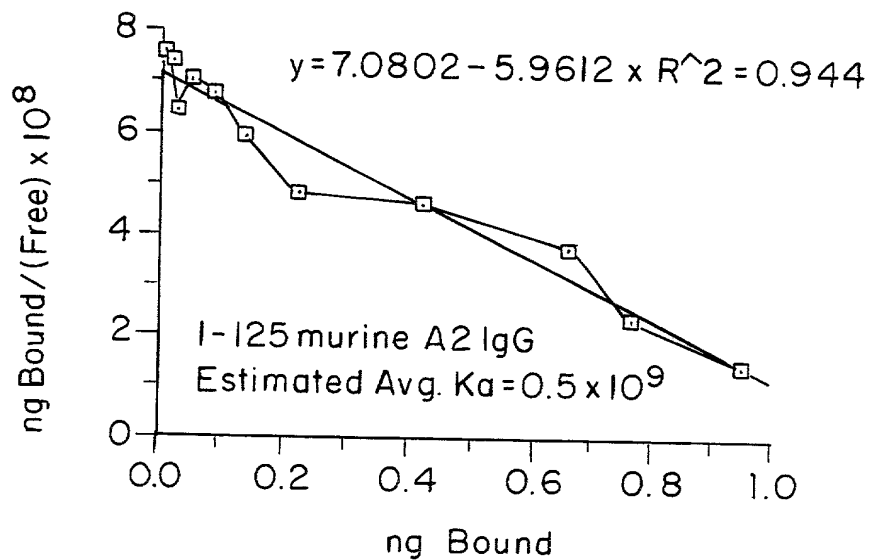


FIG. 10A

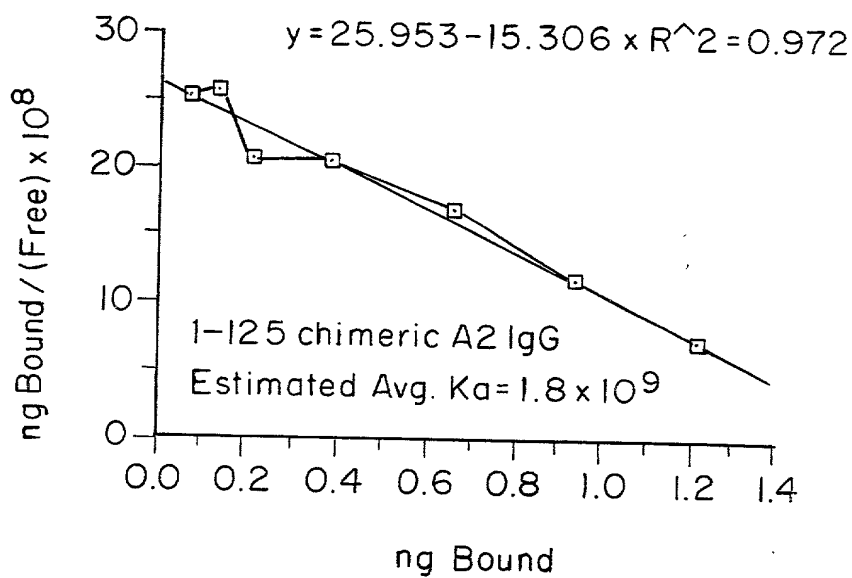


FIG. 10B

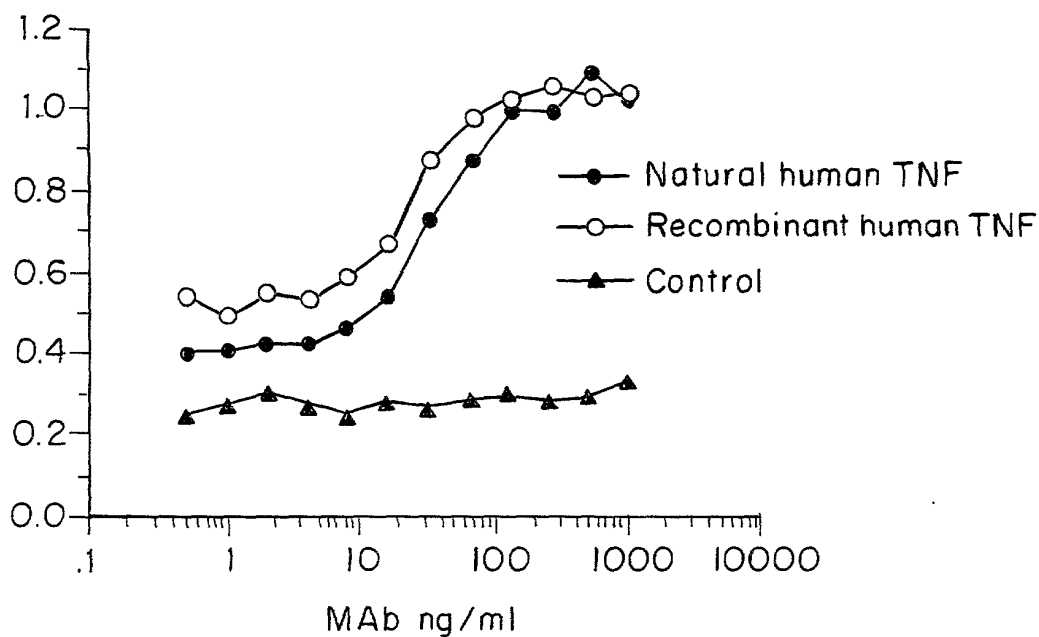


FIG. 11

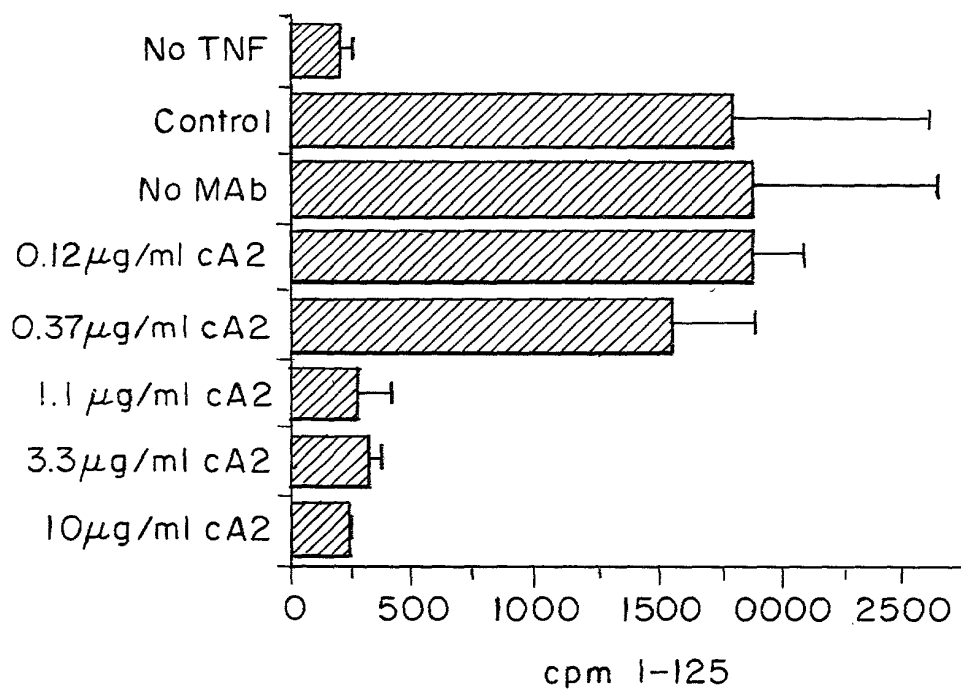


FIG. 12

1 Val Arg Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro 10  
21 Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu Ala Asn Gly 30  
41 Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser 50  
61 Gln Val Leu Phe Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile 70  
81 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro 90  
101 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro Ile Tyr Leu 110  
121 Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp 130  
141 Tyr Leu Asp Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu 150

FIG. 13

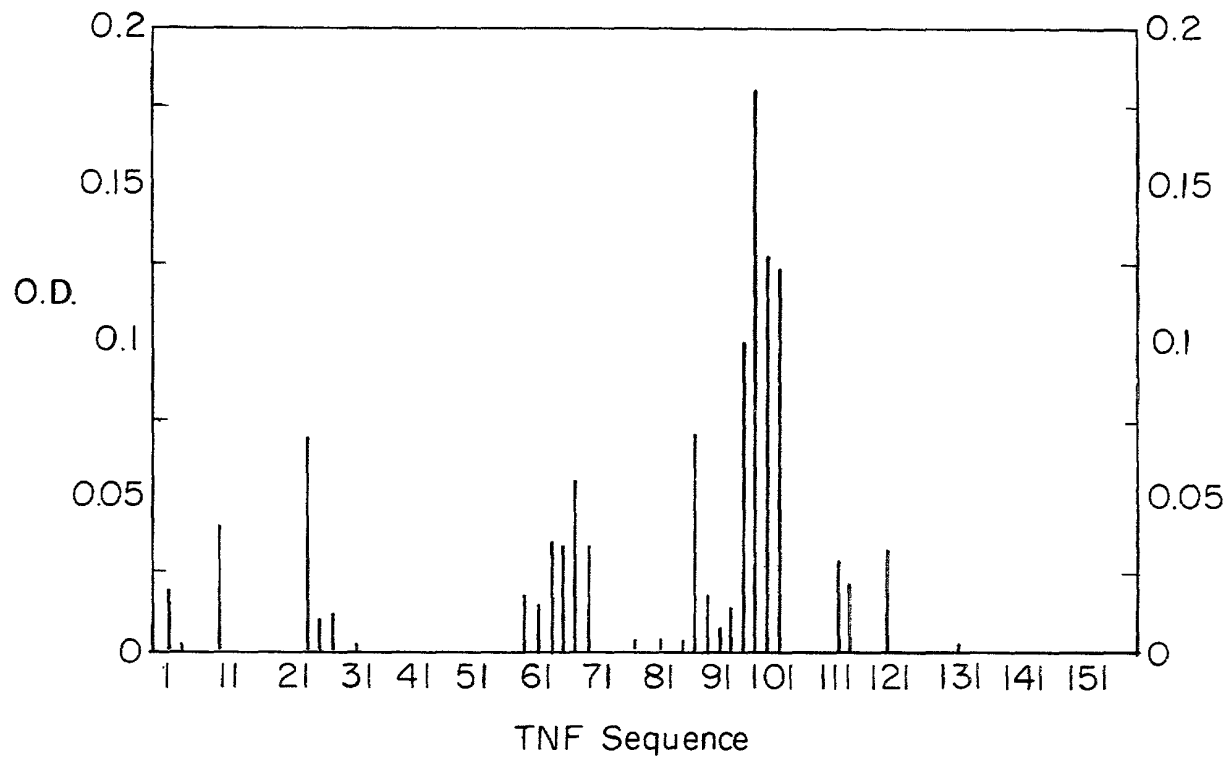


FIG. 14A

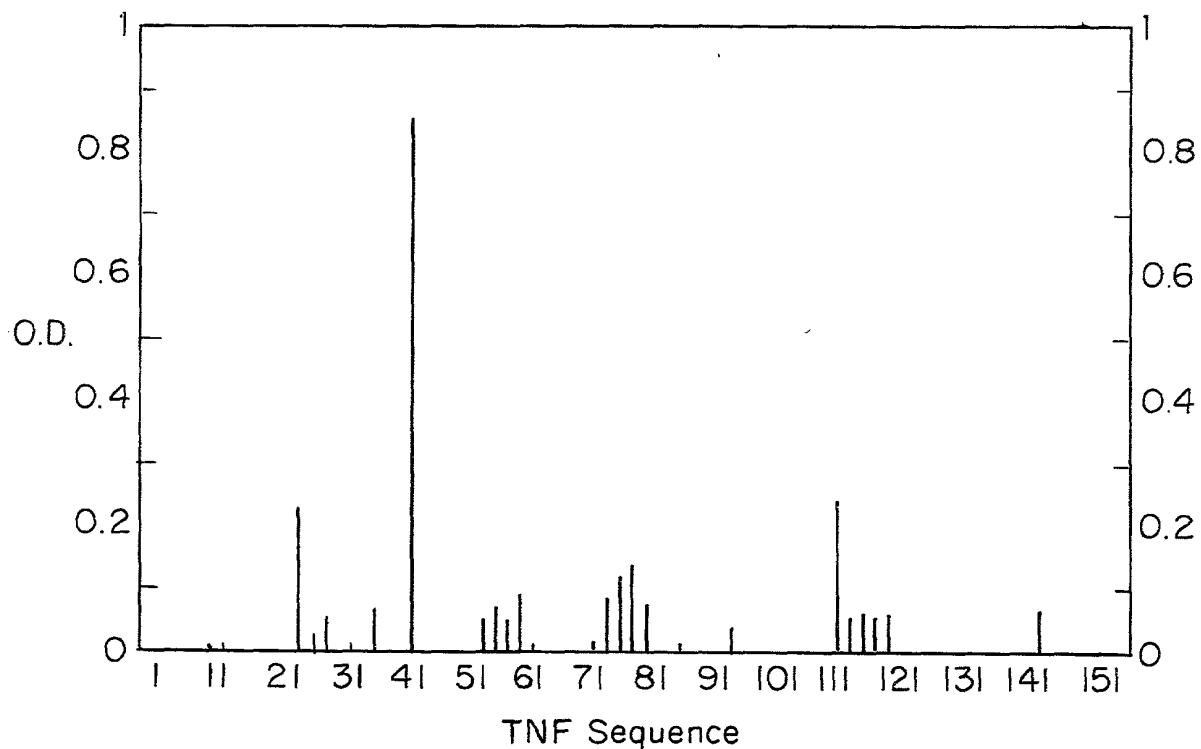


FIG. 14B

1 Val Arg Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro  
10  
21 Gln Ala Glu Gly Gln Leu Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu Ala Asn Gly  
30  
41 Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser  
50  
61 Gln Val Leu Phe Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile  
70  
81 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro  
90  
101 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro Ile Tyr Leu  
110  
121 Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp  
130  
141 Tyr Leu Asp Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu  
150

FIG. 15

SEQUENCE LISTING

GACATCTTGCTGACTCAGTCTCCAGCCATCCTGTCTGTGAGTCCAGGAGAAAGAGTCAGT  
AspIleLeuLeuThrGlnSerProAlaIleLeuSerValSerProGlyGluArgValSer  
TTCTCTCCTGCAGGCCAGTCAGTTCGTTGGCTCAAGCATCCACTGGTATCAGCAAGAACA  
PheSerCysArgAlaSerGlnPheValGlySerSerIleHisTrpTyrGlnGlnArgThr  
AATGGTTCTCCAAGGCTTCTCATAAAGTATGCTTCTGAGTCTATGTCTGGATCCCCTTCC  
AsnGlySerProArgLeuLeuIleLysTyrAlaSerGluSerMetSerGlyIleProSer  
AGGTTTAGTGGCAGTGGATCAGGACAGATTTTACTCTTAGCATCAACACTGTGGAGTCT  
ArgPheSerGlySerGlySerGlyThrAspPheThrLeuSerIleAsnThrValGluSer  
GAAGATATTGCAGATTATTACTGTCAAGAAAGTCATAGCTGGCCATTACCGTTCGGCTCG  
GluAspIleAlaAspTyrTyrCysGlnGlnSerHisSerTrpPropheThrPheGlySer  
GGGACAAATTGGGAAGTAAAA  
GlyThrAsnLeuGluValLys

FIG. 16A

GAAGTGAAGCTTGAGGAGTCTGGAGGAGGCTTGGTGCAACCTGGAGGATCCATGAAATC  
 GluValLysLeuGluSerGlyGlyGlyLeuValGlnProGlyGlySerMetLysLeu  
 TCCTGTGTTGCCCTCTGGATTCAATTTTCAGTAACCACTGGATGAACCTGGGTCCGCCAGTCT  
 SerCysValAlaSerGlyPheIlePheSerAsnHisTrpMetAsnTrpValArgGlnSer  
 CCAGAGAAGGGCTTTCAGTGGGTTCGCTGAAATTAGATCAAAATCTATTAAATCTGCAACA  
 ProGluLysGlyLeuGluTrpValAlaGluIleArgSerLysSerIleAsnSerAlaThr  
 CATTATGCGGAGTCTGTGAAAGGAGGTTCAACCATCTCAAGAGATGATTCCAAAAGTGCT  
 HisTyrAlaGluSerValLysGlyArgPheThrIleSerArgAspSerLysSerAla  
 GTGTACCTGCAAAATGACCGACTTAAGAACTGAAGACACTGGCGTTTATTACTGTTCAGG  
 ValTyrLeuGlnMetThrAspLeuArgThrGluAspThrGlyValTyrTyrCysSerArg  
 AATTACTACGGTAGTACCTACGACTACTGGGGCCAAAGGCACCACTCTCACAGTGTCC  
 AsnTyrTyrGlySerThrTyrAspTyrTrpGlyGlnGlyThrThrLeuThrValSer

FIG. 16B



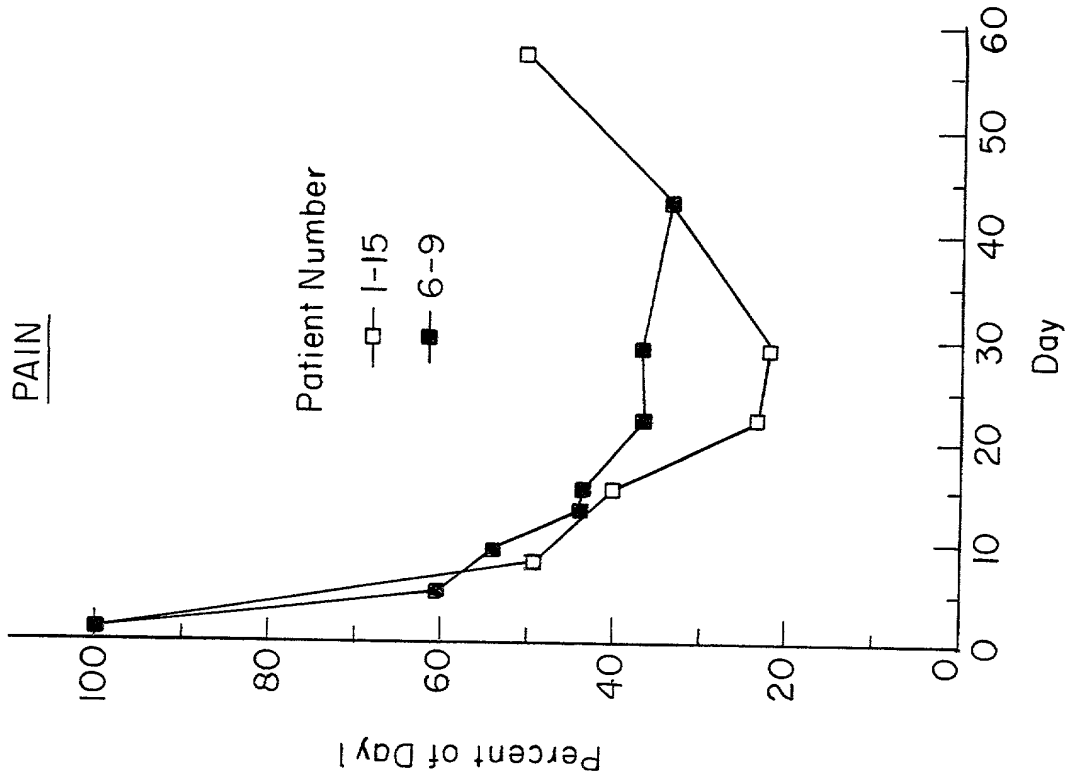


FIG. 18

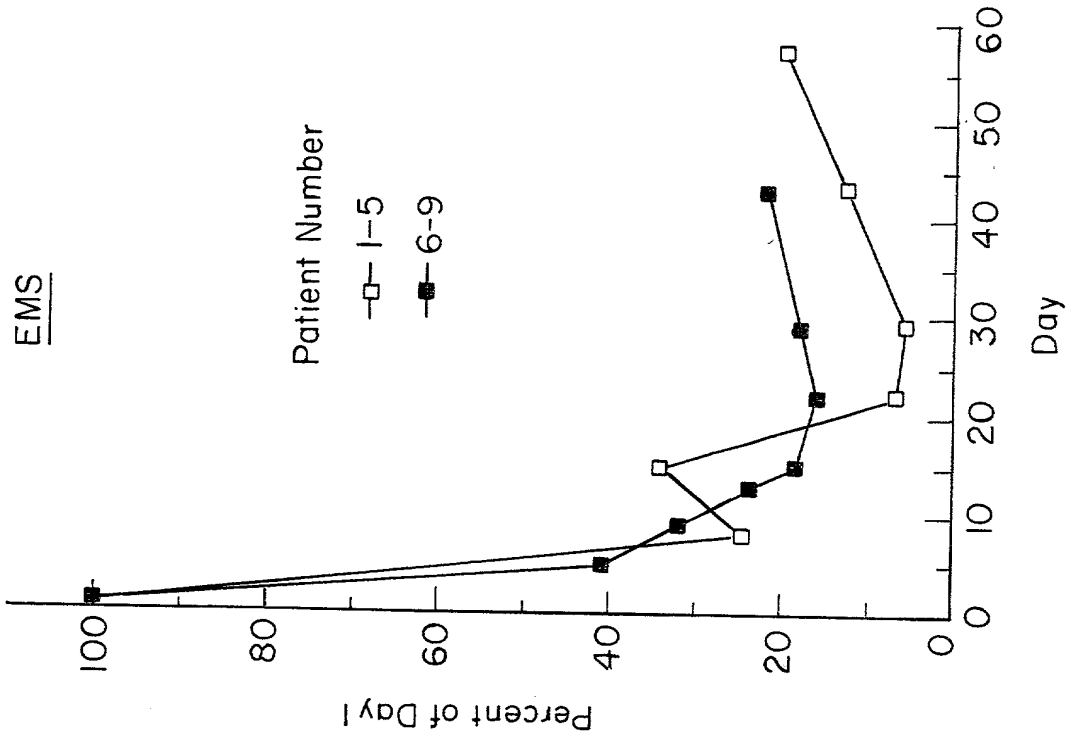


FIG. 17

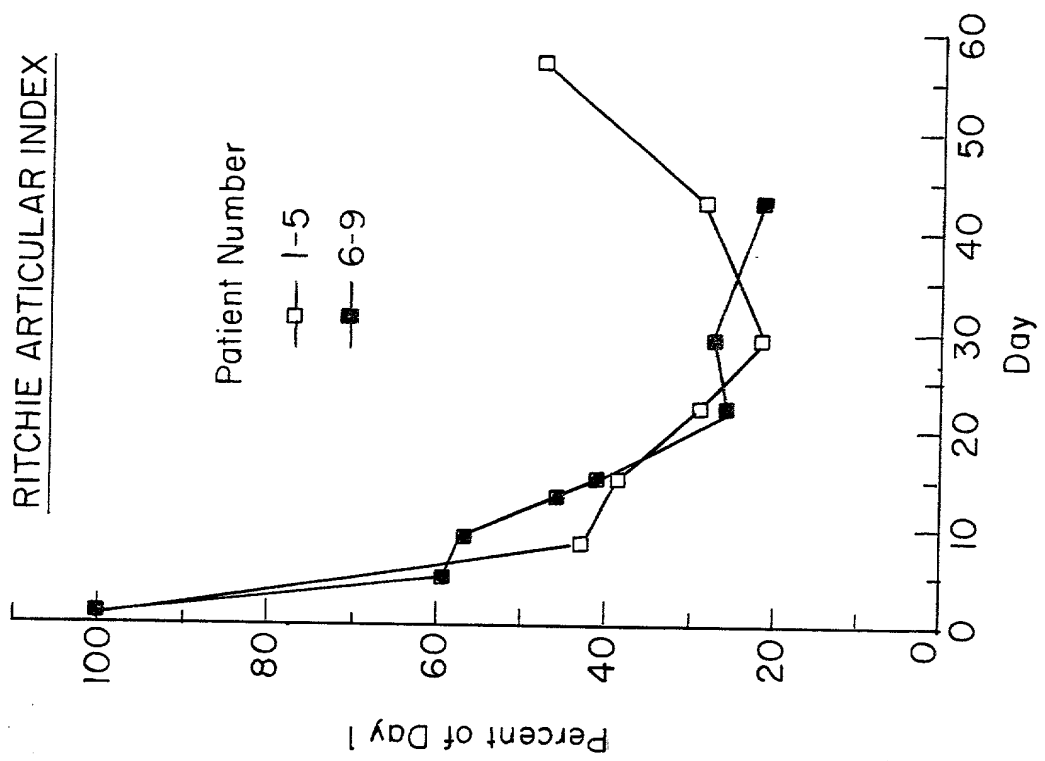


FIG. 19

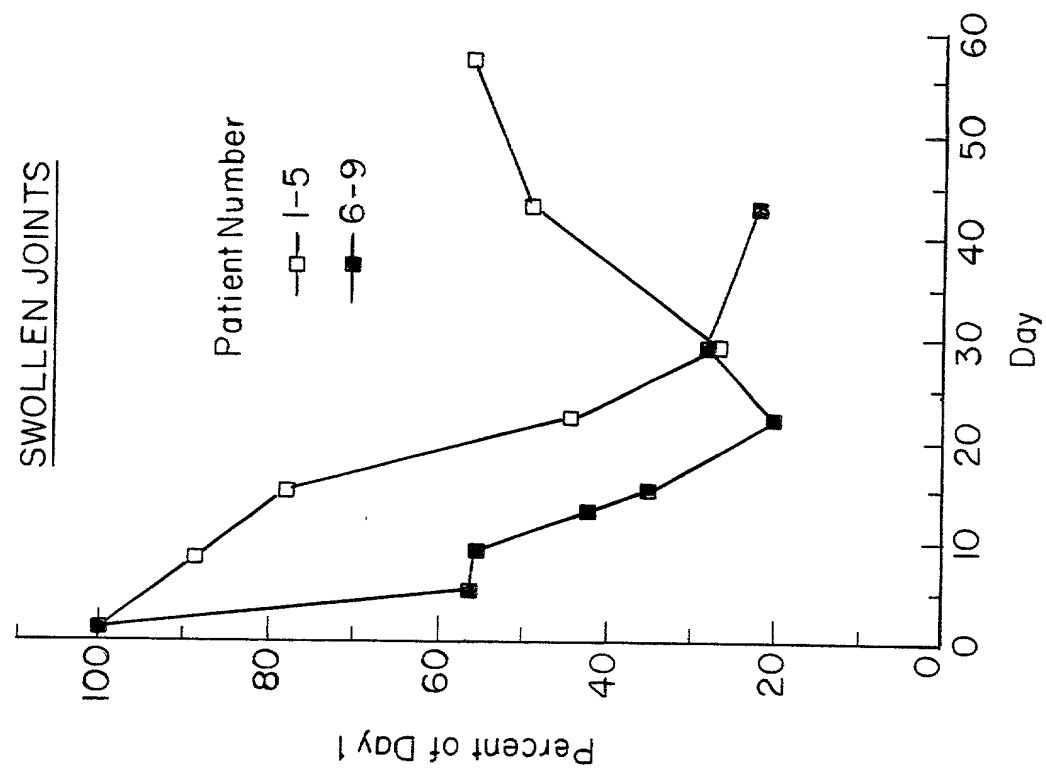


FIG. 20

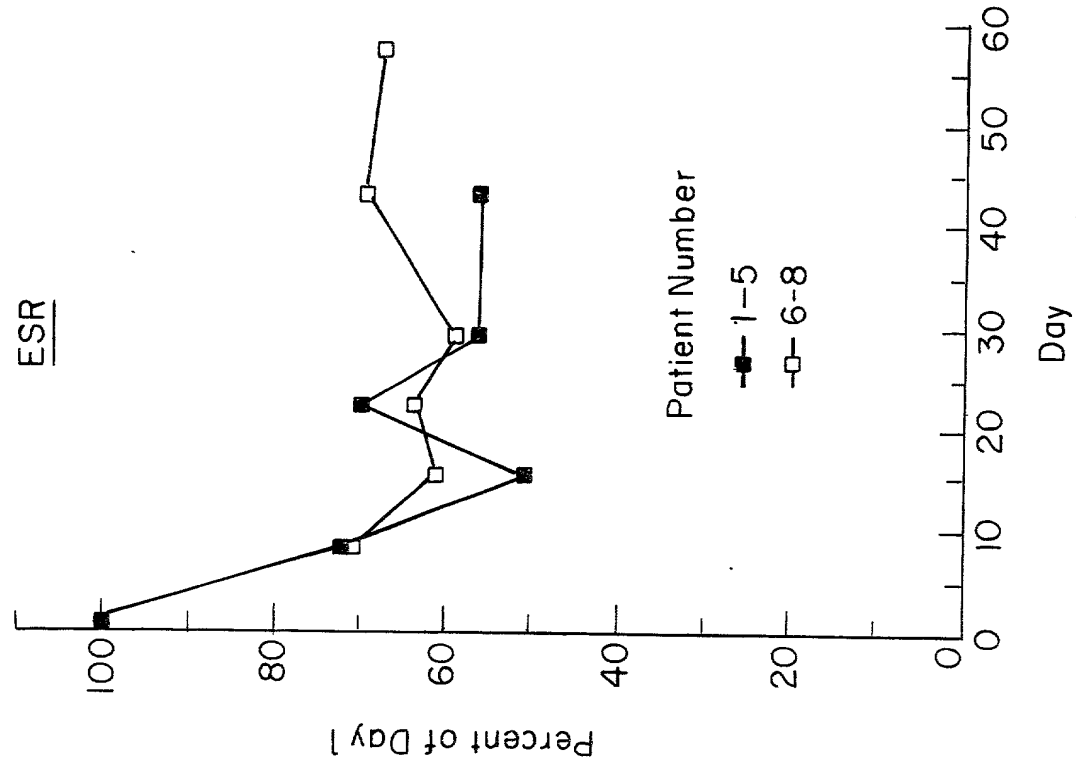


FIG. 22

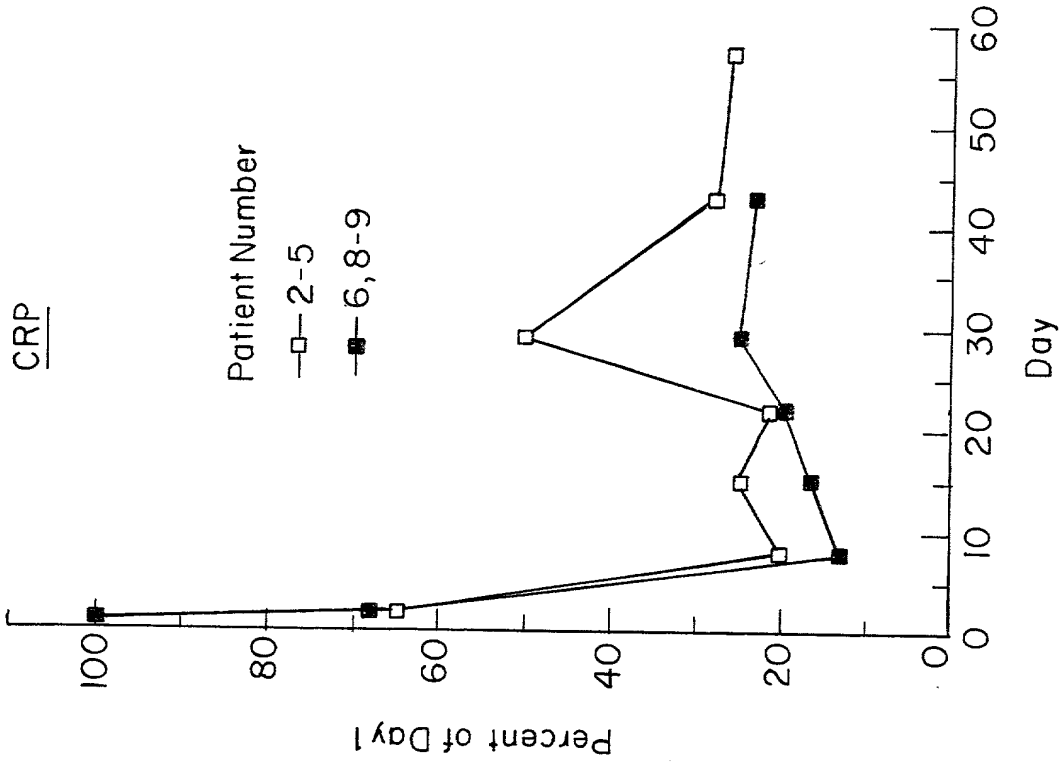


FIG. 21

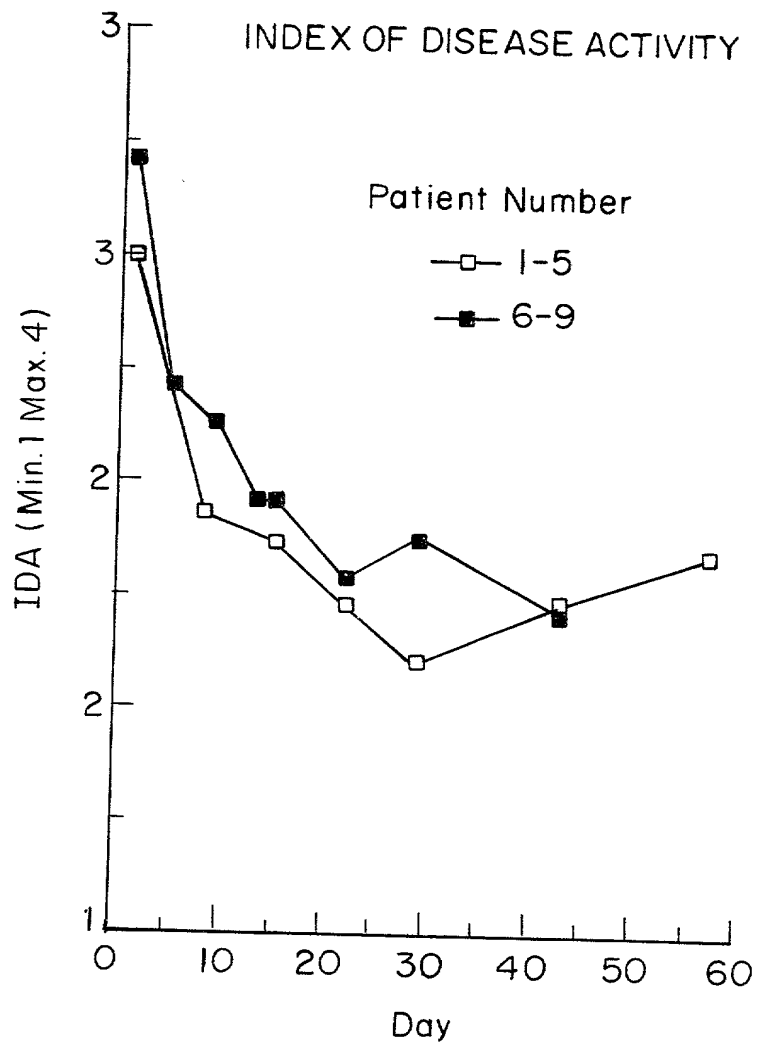


FIG. 23



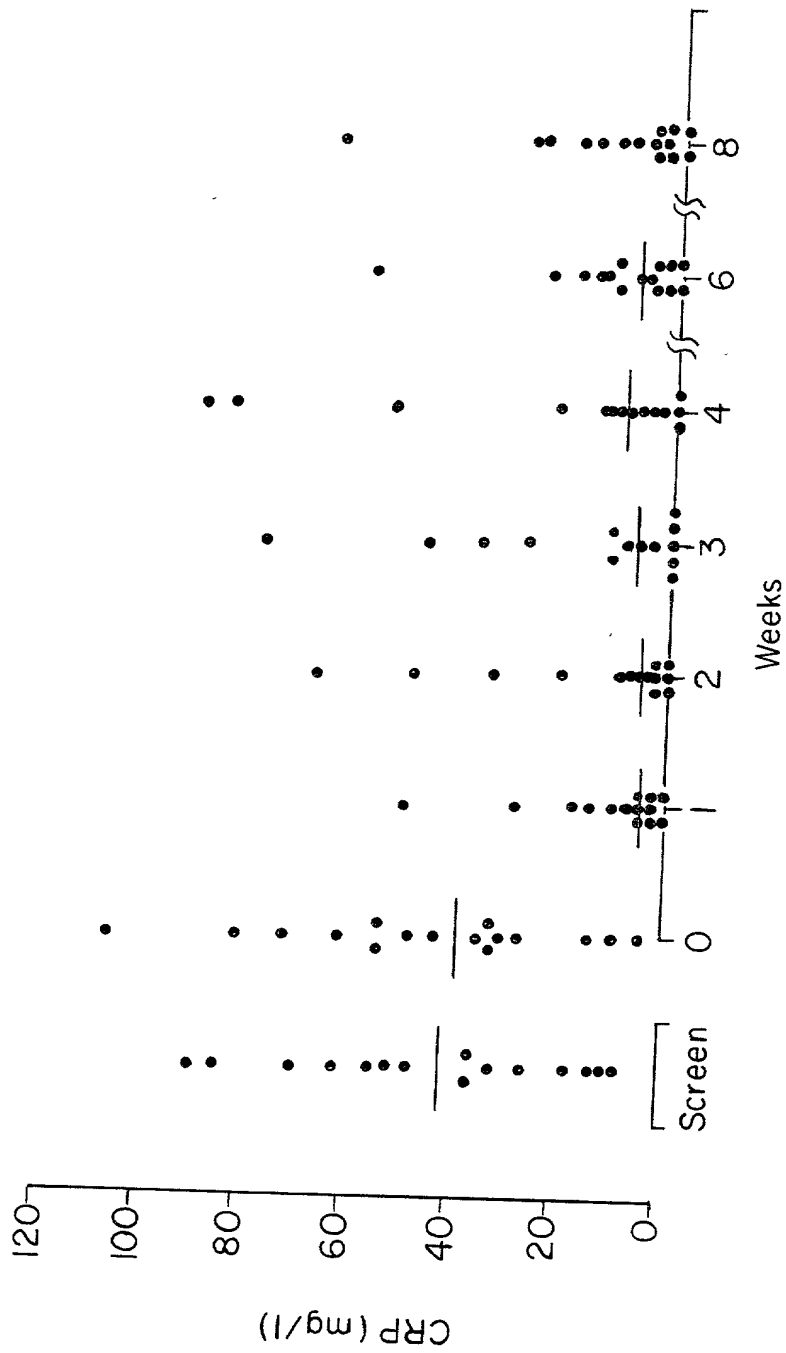


FIG. 25

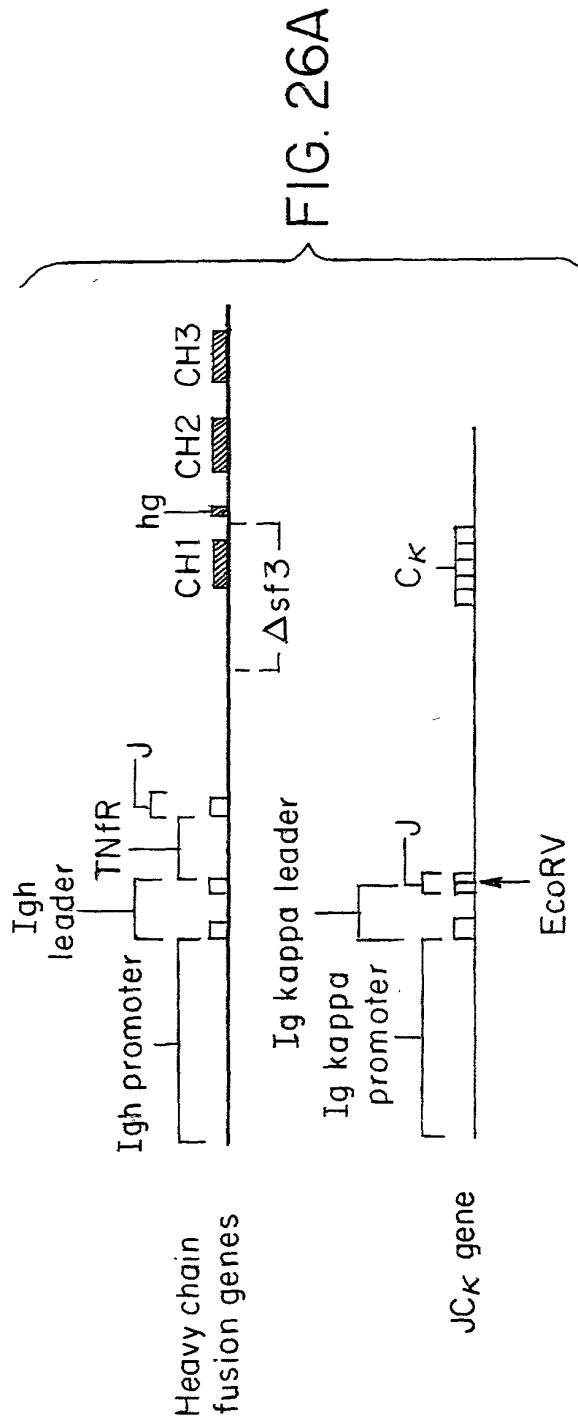
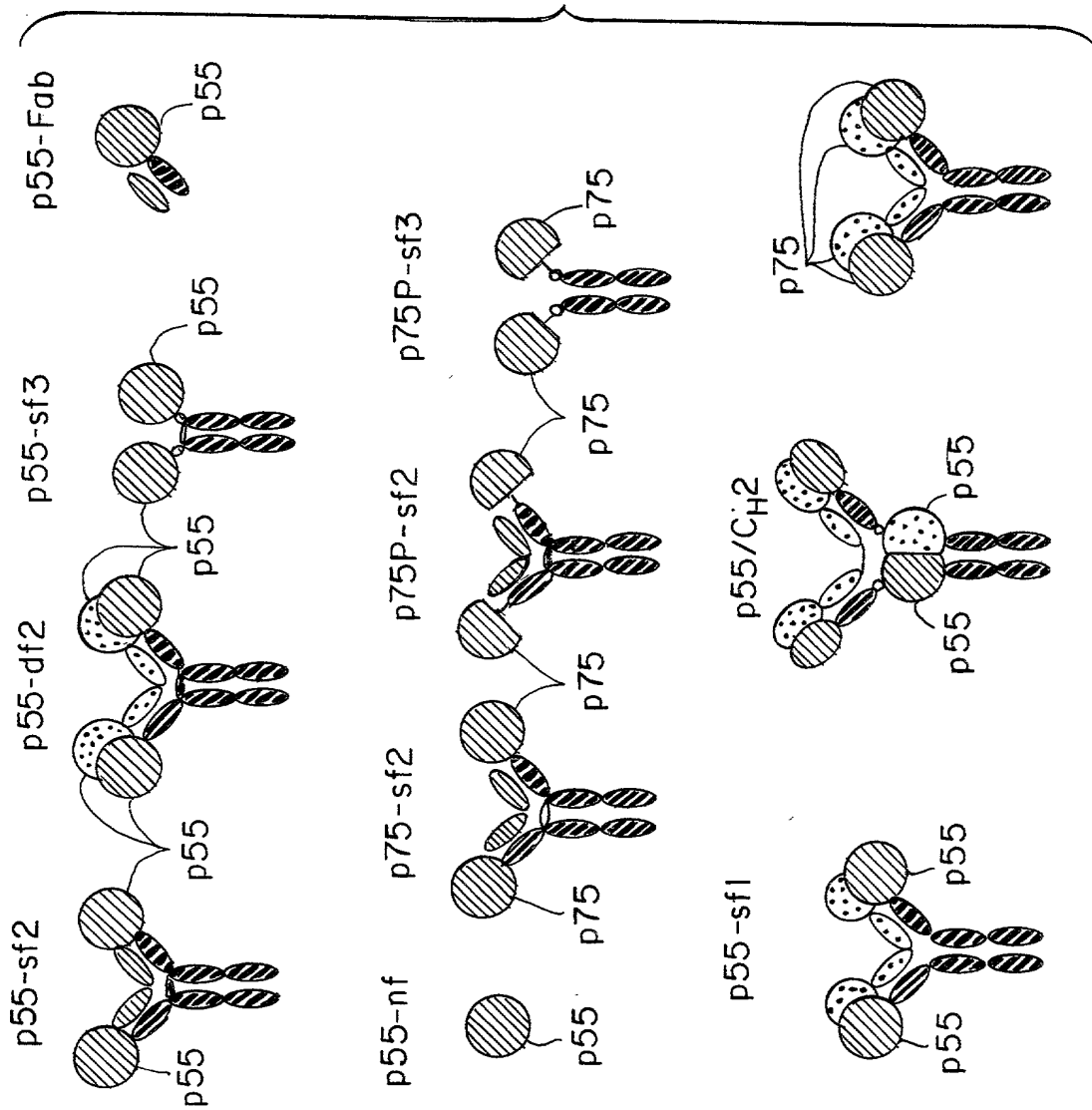
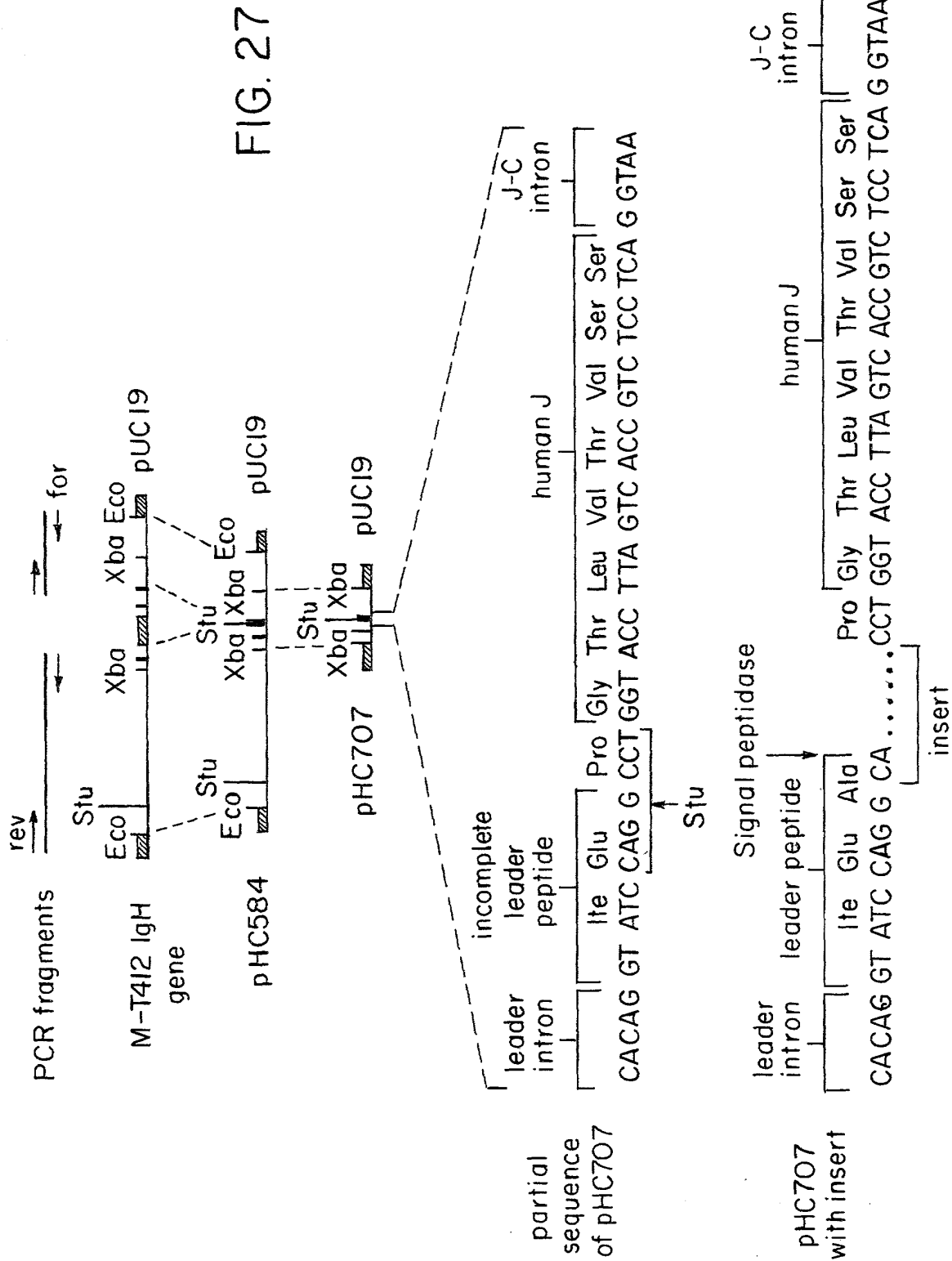


FIG. 26B







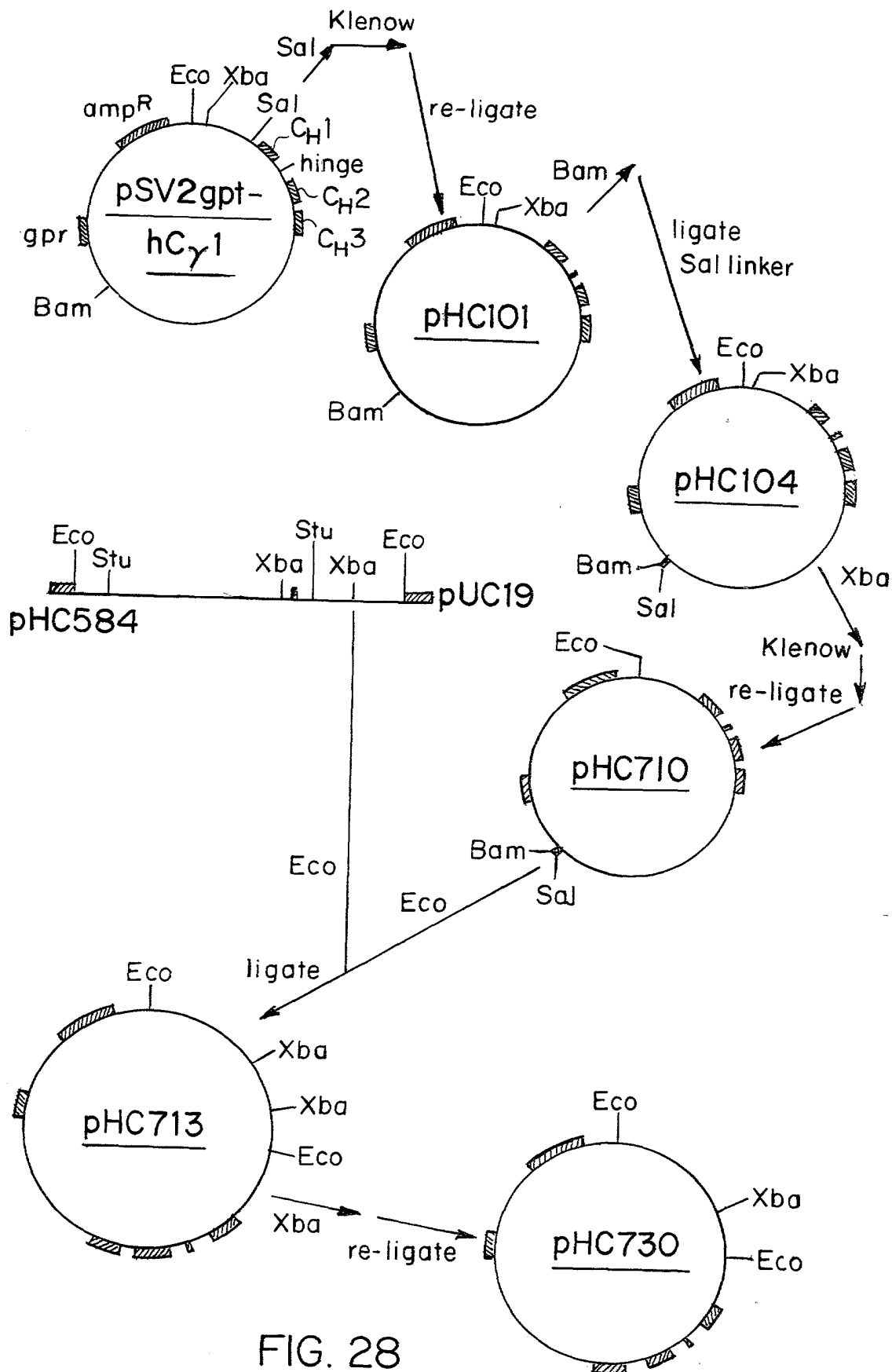


FIG. 28

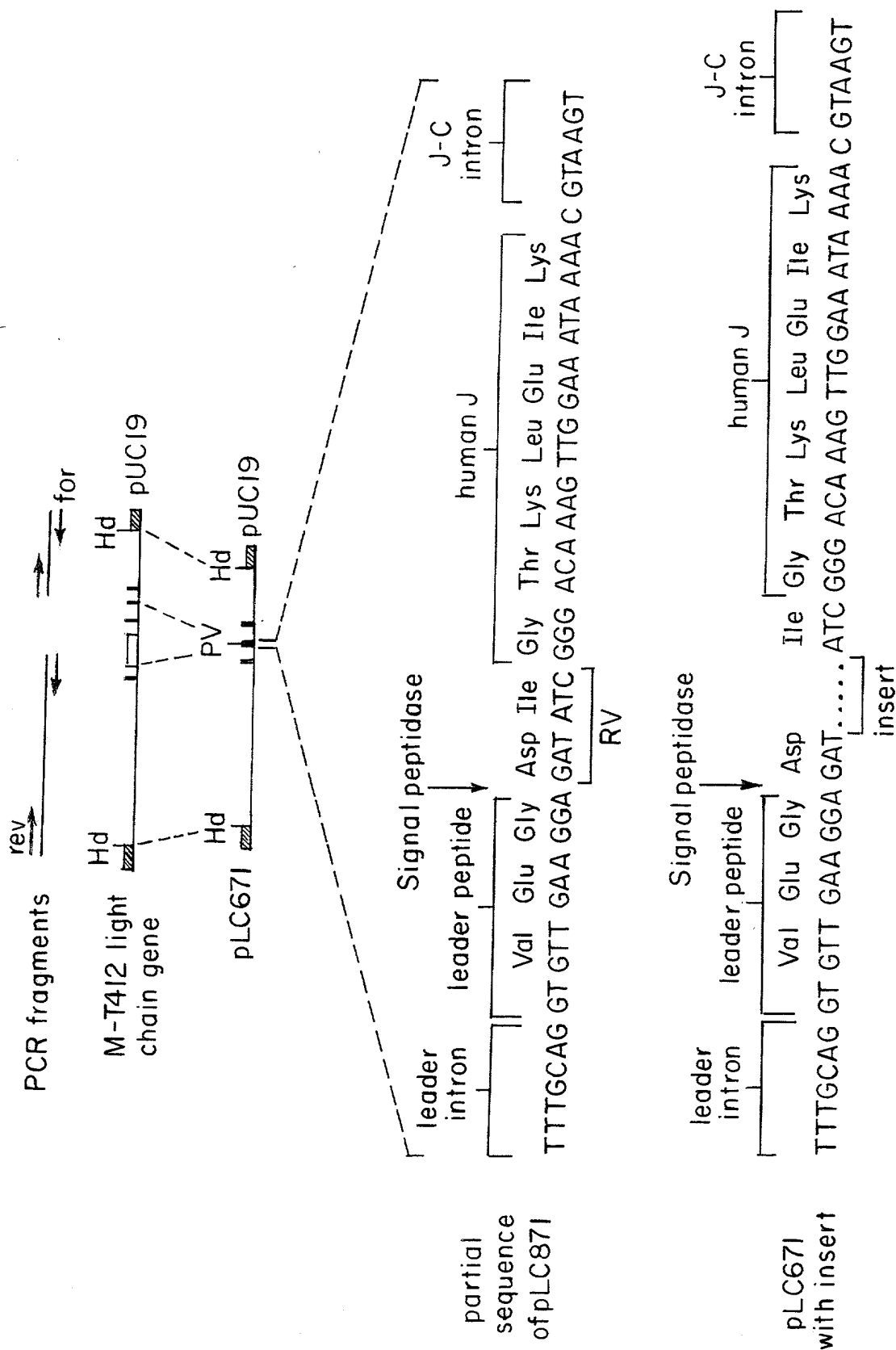


FIG. 29

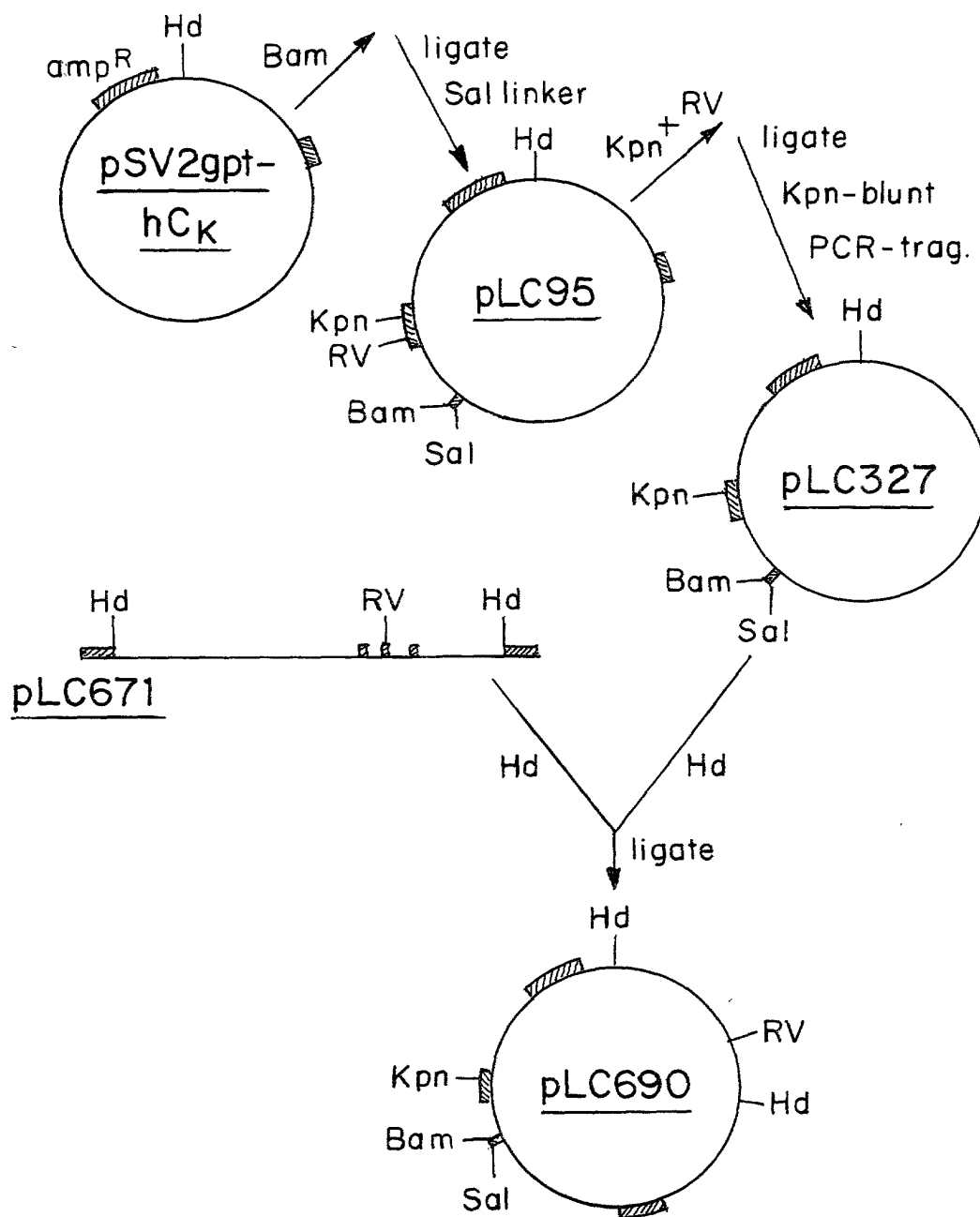


FIG. 30

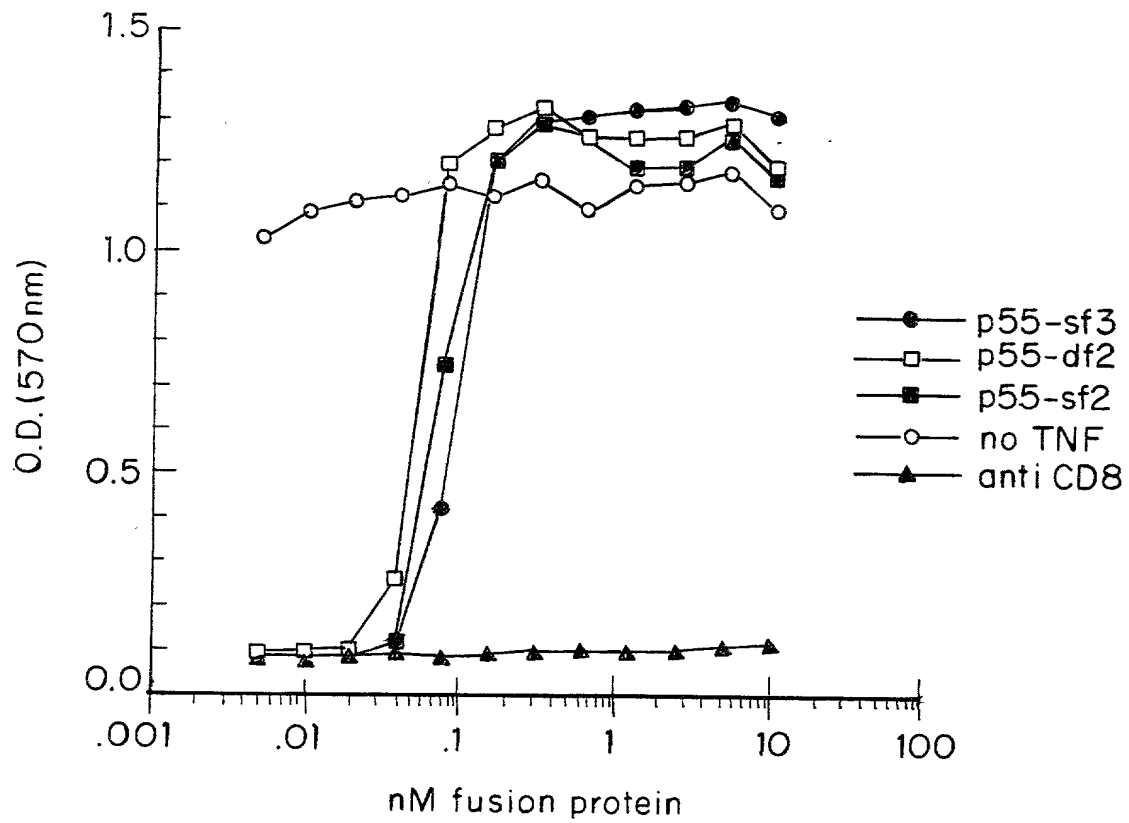


FIG. 31A

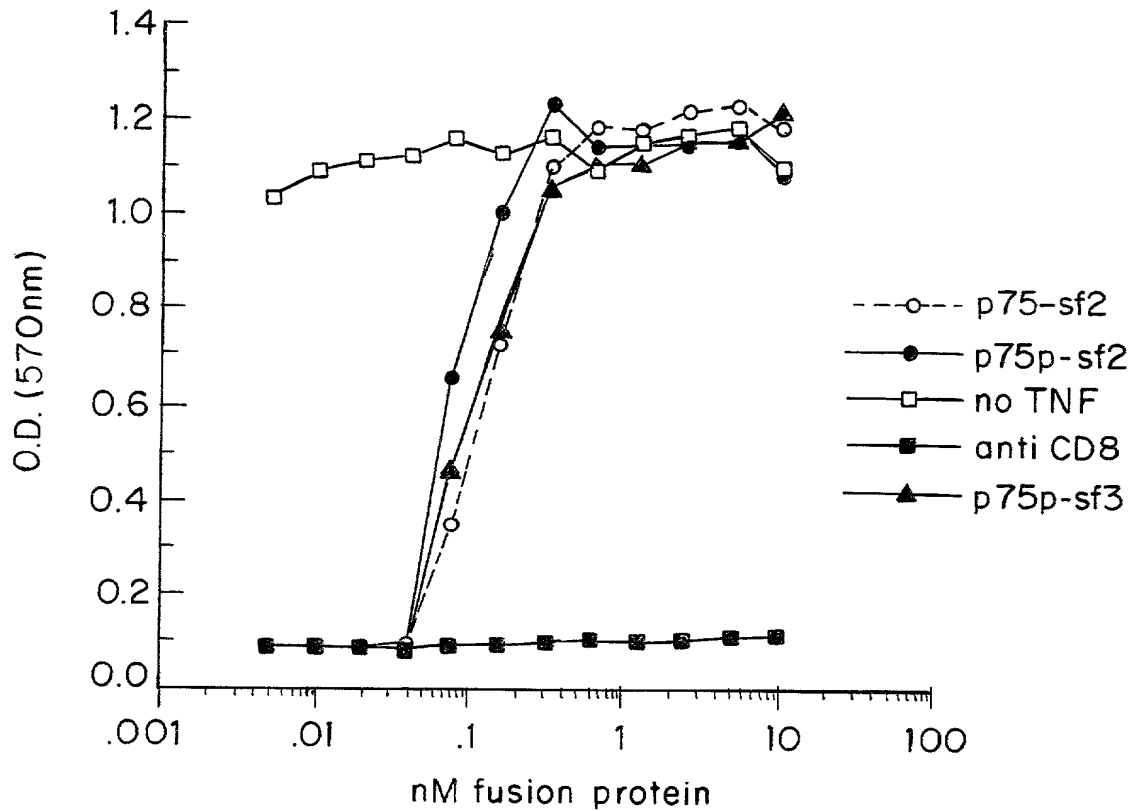


FIG. 3IB

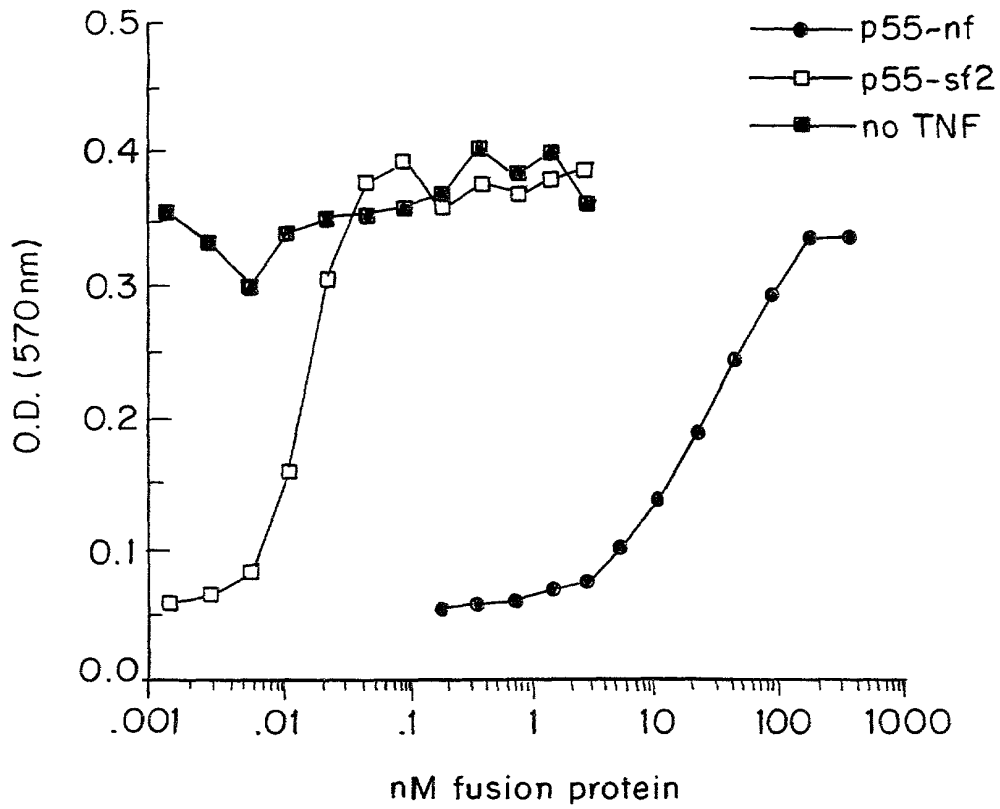


FIG. 31C

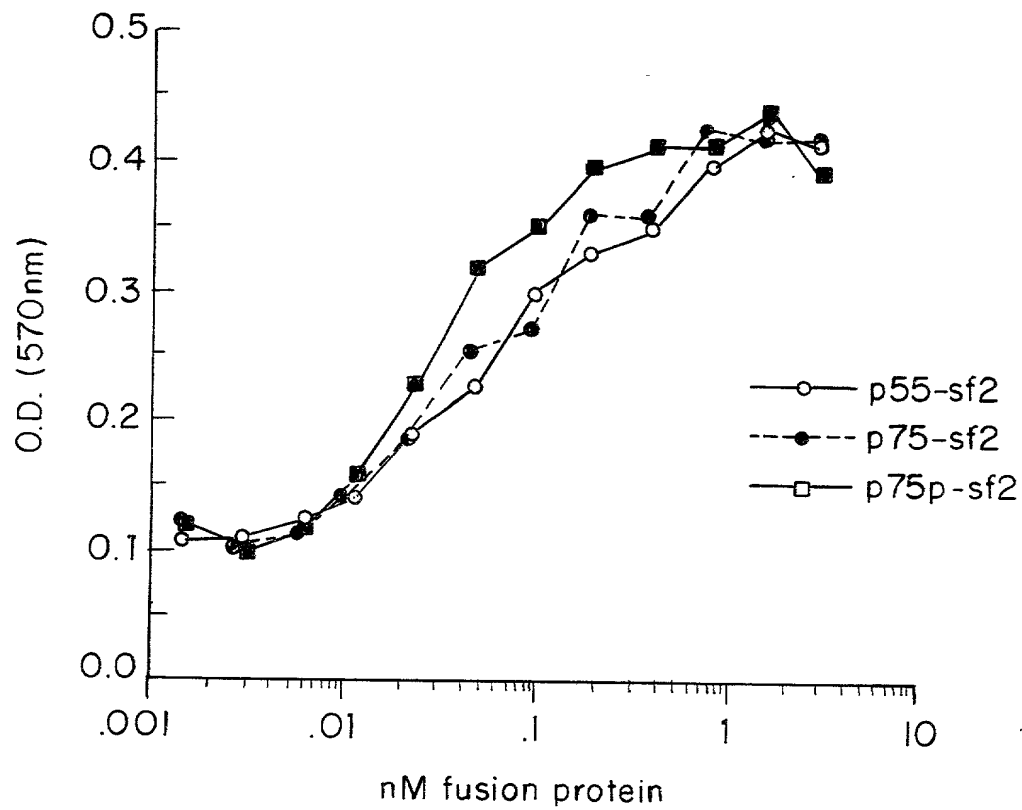


FIG. 32



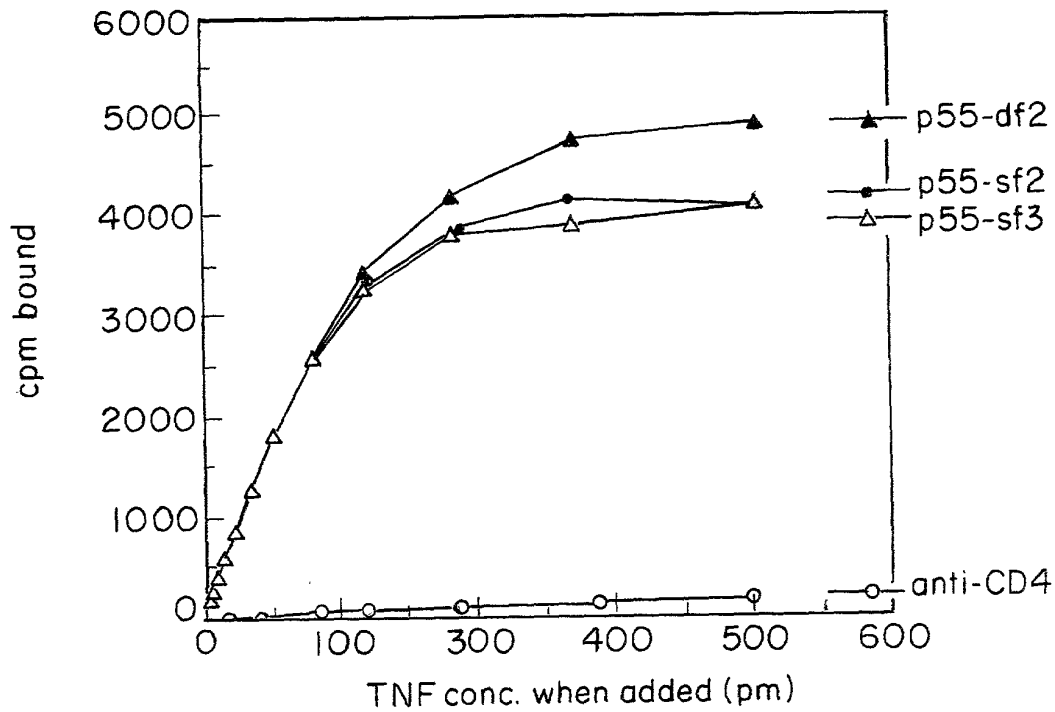


FIG. 33A

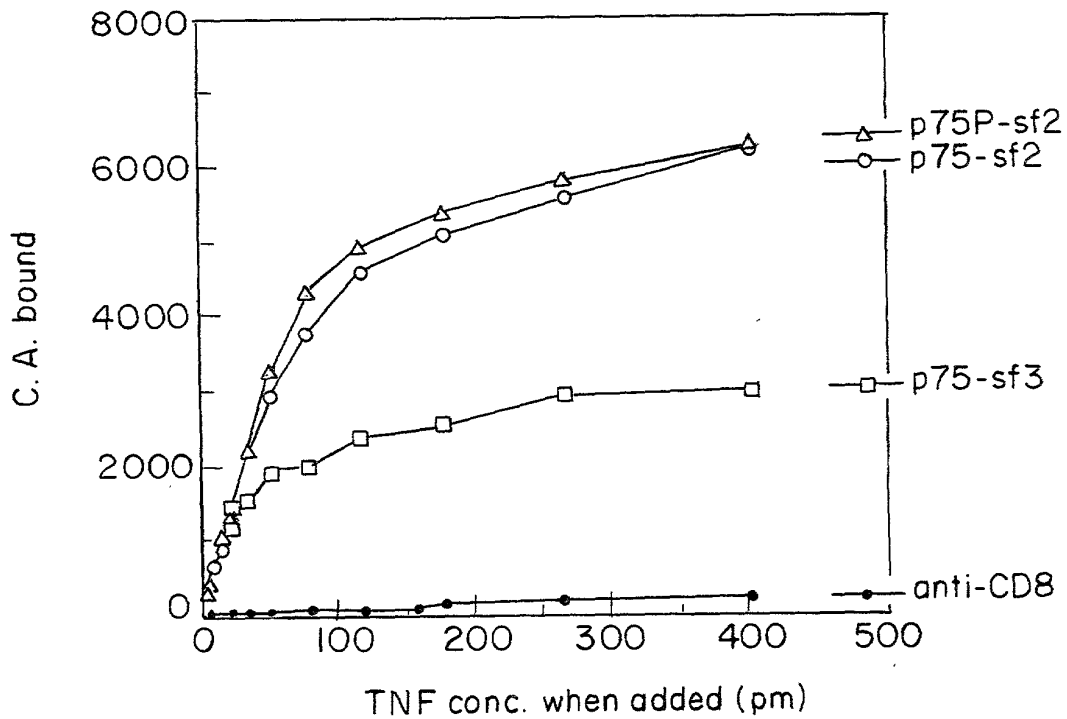


FIG. 33B

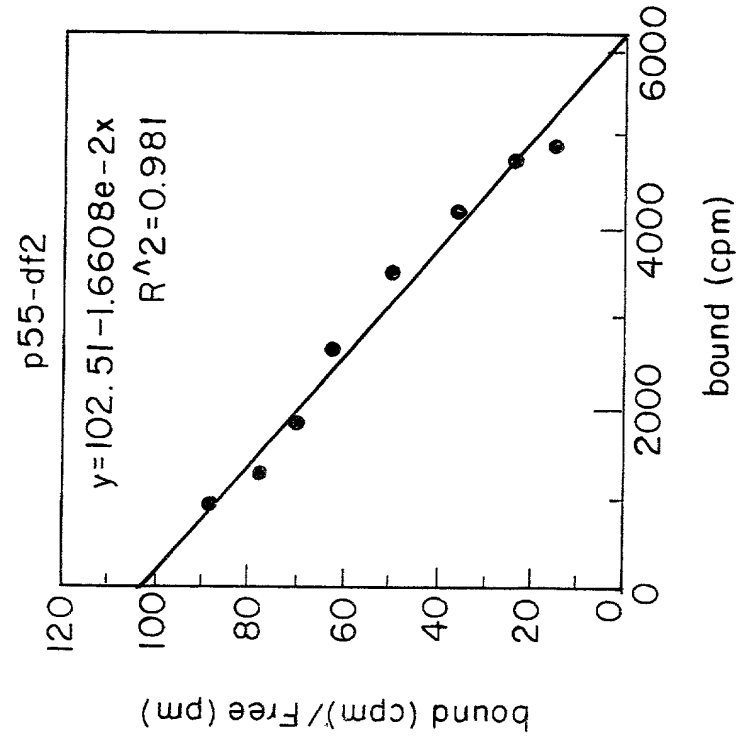


FIG. 33D

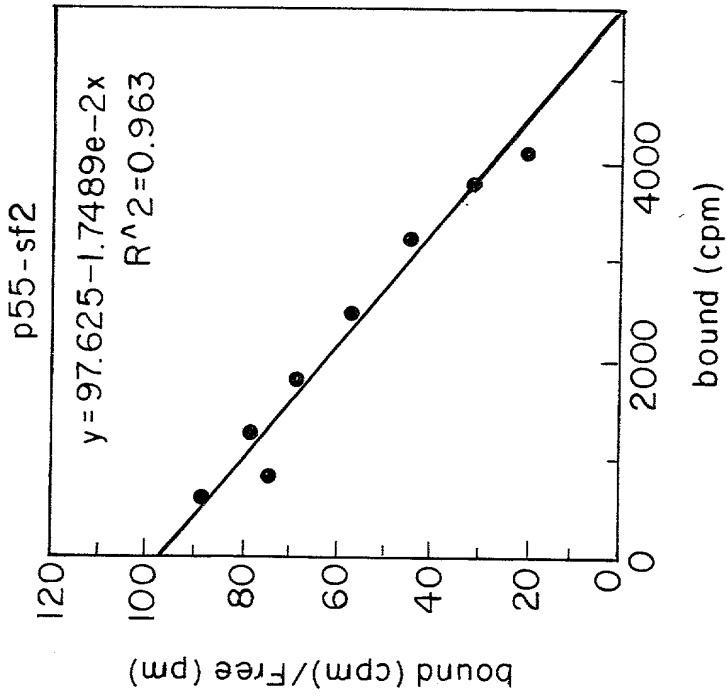


FIG. 33C

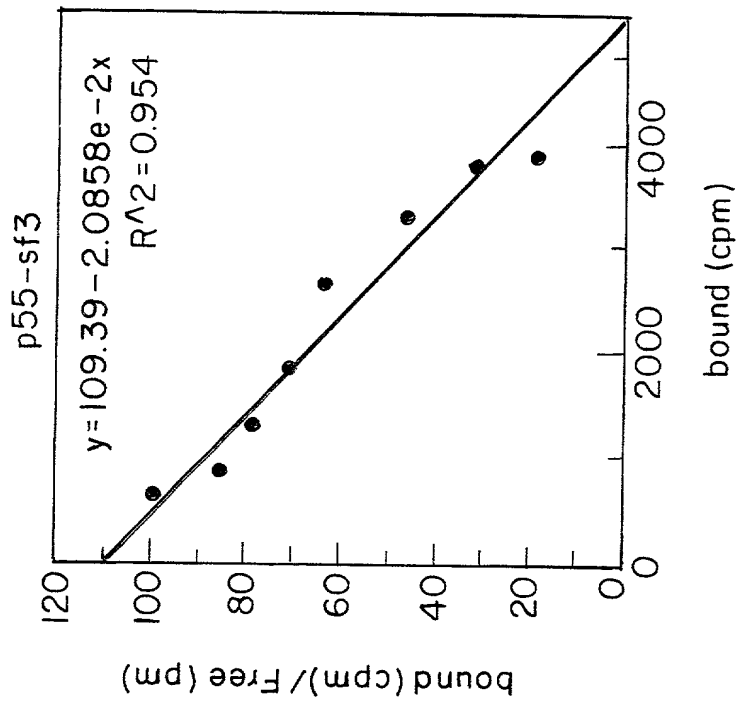


FIG. 33E

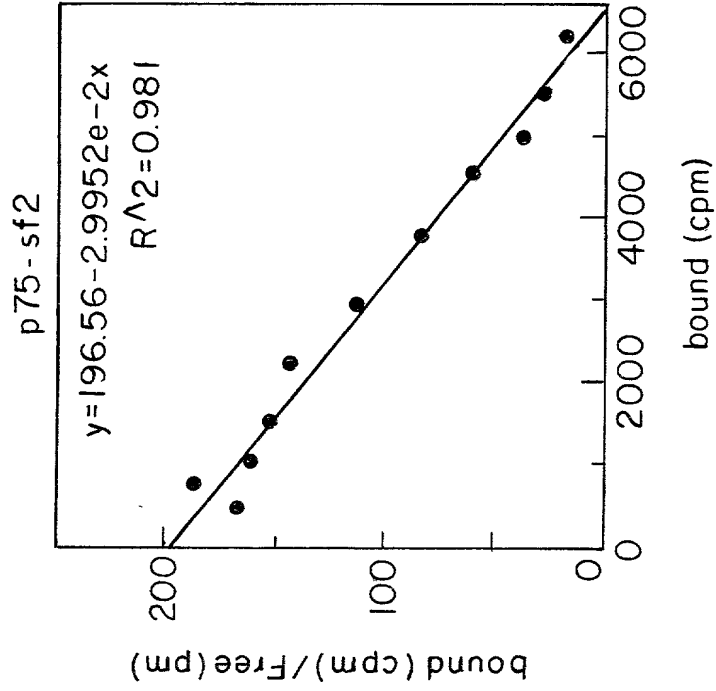


FIG. 33F

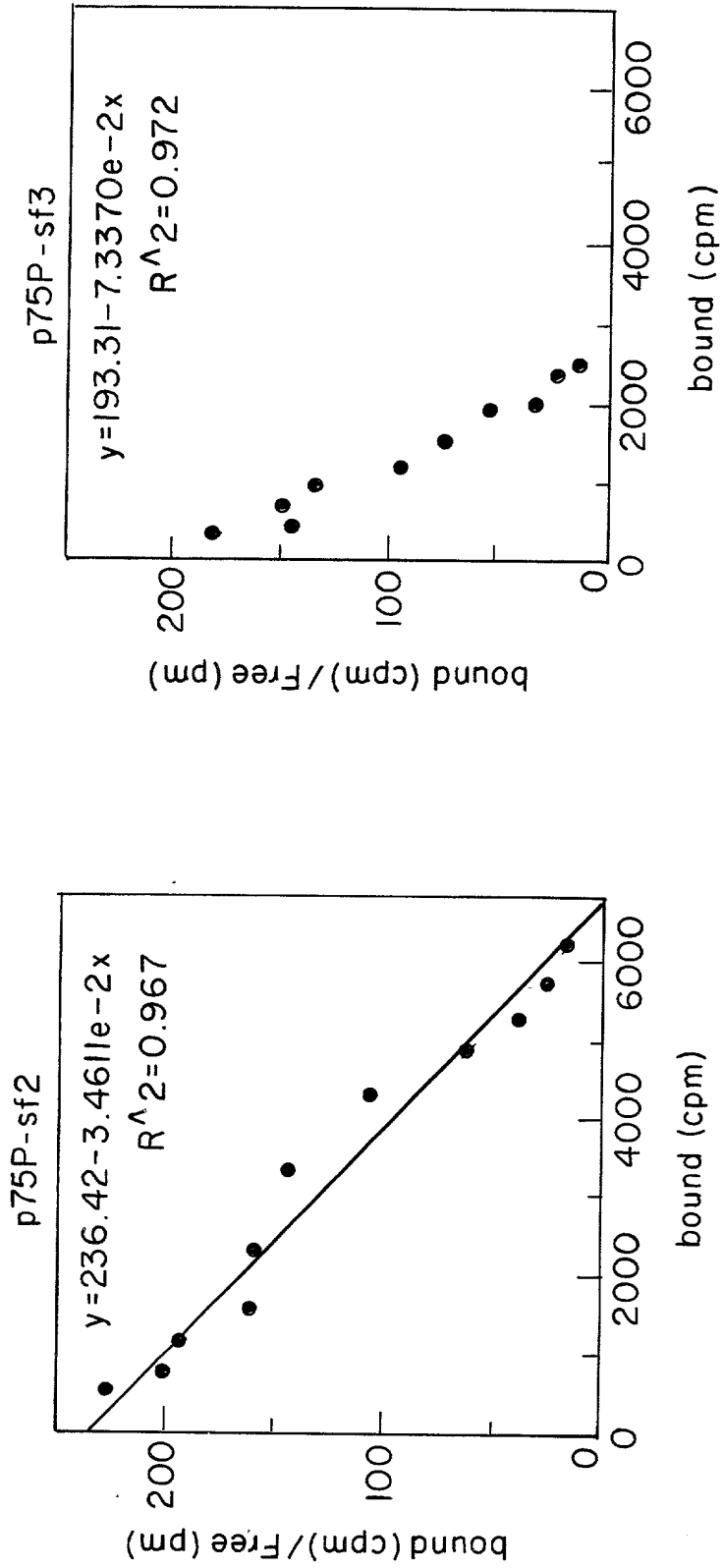
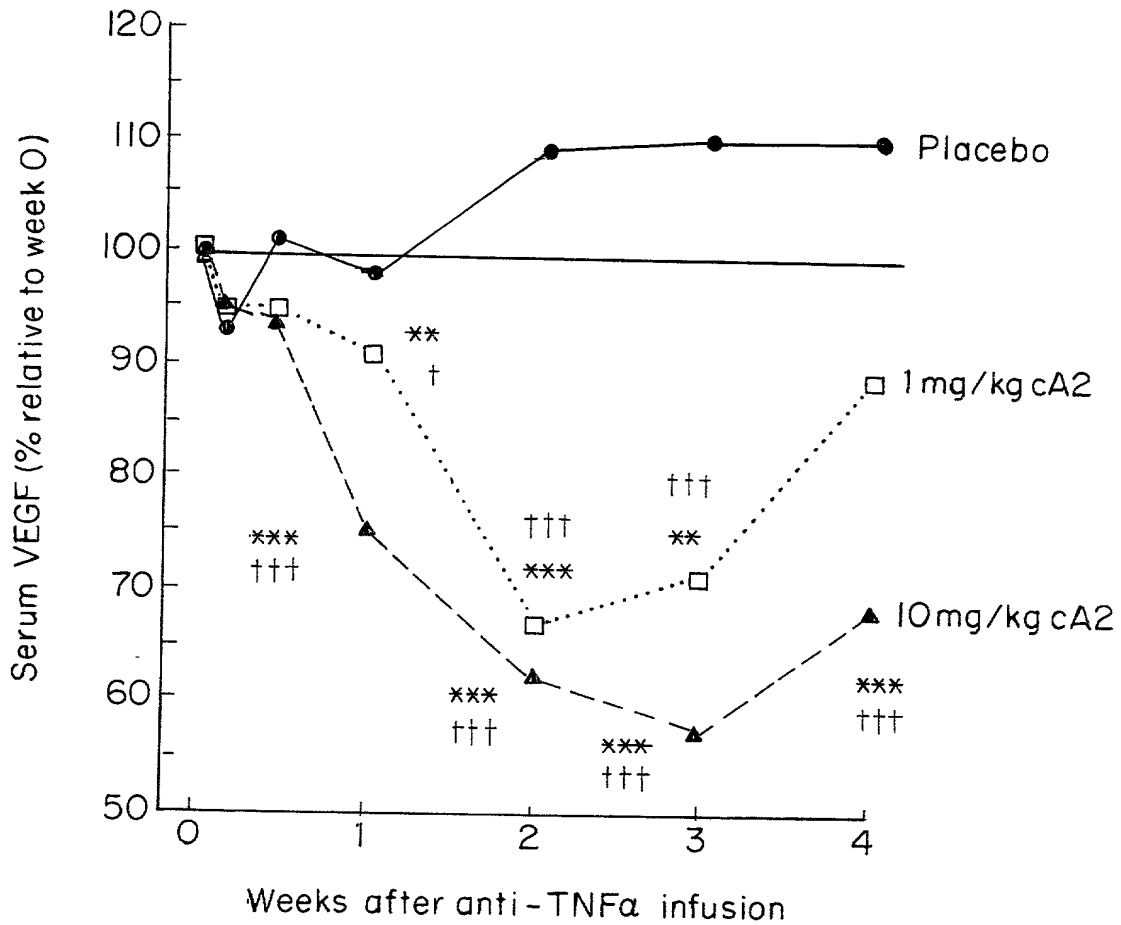


FIG. 33G

FIG. 33H



\*  $p \leq 0.05$ , \*\*  $p \leq 0.01$ , \*\*\*  $p \leq 0.001$  *versus* pre-infusion  
 †  $p \leq 0.05$ , ††  $p \leq 0.01$ , †††  $p \leq 0.001$  *versus* change in placebo group

FIG. 34